

FLOATING POINT FEATURE
MODEL 8218A01
ASSEMBLY NO.134099



902309C

Price: \$16.75

ENGINEERING SUPPORT MANUAL

FLOATING POINT FEATURE

MODEL 8218A01

ASSEMBLY NO. 134099

**Specifications, equipment descriptions, and procedures
contained herein are subject to change without notice.**

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XEROX

701 So. Aviation Blvd., El Segundo, Calif. 90245, 213 679-4511

PREFACE

The purpose of an Engineering Support Manual (ESM) is to provide, under one cover, all of the engineering-produced documentation which is relevant to the maintenance of Xerox Computer designed products.

ENGINEERING SUPPORT INDEX (ESI)

The Engineering Support Index (ESI) begins on page i. The ESI is a table of contents indicating the drawings in this manual and provides a cross-reference between the change level of the Top Assembly drawing and the change levels of related drawings.

UPDATING

When Engineering Orders (EO) to Top Assemblies are released, documentation is updated and distributed to appropriate installations by Xerox Computer Field Engineering through the method of Field Modification Kits (FMK's). If Xerox is responsible for maintaining the affected equipment, the EO and the documentation Update Package is sent to the appropriate customer Service District office. The Customer Engineer is then responsible for prompt EO installation and manual updating. If the Xerox customer is responsible for equipment maintenance, a notification of the EO and the documentation Update Package is sent to the customer address that the customer has provided.

The Update Package typically includes a revised title page, revised Engineering Support Index page, and all pages that have been revised.

CHANGES

Changes to an ESM drawing can be brought about only by the submission of a Drawing Change Request (DCR). To effect a drawing change, field personnel must submit a Technical Action Request (TAR). A DCR may then be submitted by Maintenance Engineering after the TAR is reviewed. Customers who wish to notify Xerox of any discrepancies within the ESM may submit their comments on the Reader Survey sheet in the back of the manual and forward it to Xerox Computer Field Engineering Publications.

ENGINEERING SUPPORT INDEX

MODEL 8218A01 TOP ASSEMBLY 134099 LEVEL N

NAME FLOATING POINT FEATURE

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RELATED PUBLICATIONS

The following Xerox publications contain information not included within this manual. These publications must be available as part of Site Documentation in order for the user of this manual to learn, install, operate, and maintain the equipment.

<u>Publication Title</u>	<u>Document No.</u>
Sigma 5 Computer, Technical Manual	901172
Sigma 5 and 7 CPU Diagnostic Float, Program No. 704046, Diagnostic Program Manual	900898

902309

SECTION I
DESIGN AUTOMATION DATA



CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																												
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	50	51	52	53	54	55	56	57	58	59	60	70	71	72	73	74	75
P	1030310	S/B3	=*.B4 .BXBL1-L 17C\$. \$.28X, 36X,										+.B5 .BXBL2-L \$.24. 34X											A																												
P	1030312		+.FP4 .BXFP/L 17C\$.26. 40X,										+.B3 .GND1916 \$.25X, 38X											A																												
P	1030314		+. .GND1916 17C\$.23.22																					A																												
P	1030330	R/B3	=.BX-L 17C42X																					A																												
P	1030334	C/B3	=.CL-17C01 17C01X																					A																												
P	1030500	C3	=B*+.D4 .DXDL1-L 09D15X, \$. \$.36, 34X,										+.C3 .GND1810 \$.15X, 40X											A																												
P	1030502		+.D2 .DXDR1-L 09D\$.39. 37X,										+.S3 .GND1810 \$.19X, 31X											A																												
P	1031300	D3	=FF 09D23X																					A																												
P	1031304	ND3	=NFF 09D\$																					A																												
P	1031310	S/D3	=*.C3 . 09D\$. \$.15X, 08X,										+.A3 .DXA-L \$.13. 11X											A																												
P	1031312		+.S3 .DXS/L 09D\$.19X, 03X,										+.C2 .GND1810 \$.05X, 14X											A																												
P	1031330	R/D3	=.DX/L 09D07X																					A																												
P	1031334	C/D3	=.CL-07D09 09D09X																					A																												
P	1032100	FP3	=B*+.NFPX 15B35X, \$. \$.30X, 42, \$. 39, 31										+.S3 .FPXSL X, 35-32B04C-12D36T											A																												
P	1032102		+.E3 .FPXSU 15B\$.36. 29X,										+.F3 .FPXMISC \$.38. 28X											A																												
P	1032104		+.FP3 .GND1715 15B\$.35X, 27X																					A																												
P	1032500	G3	=B*+.A3 .D3 .GXAD/C 09D06, \$. \$.18X, 23X, 21X,										+.NA3-1 .D3 .GND1810 \$. \$. 23X, 22X											A																												
P	1032502		+.A3 .ND3 .GXAND/C 09D\$.18X, \$, 25X																					A																												

CODE	LINE NO.	CHK	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			1	2	3	4	5	6	7	8	9	10	11	12		
	1065500		PR6	=B+.	.A6	.D6	.PRXAD/D									A
P	1065500			13D01X,	\$. \$,	24X,	28X,	29X,								A
	1065502			+.A6	.ND6	.PRXAND/D										A
P	1065502			13D\$.	24X,	\$.	20X,									A
	1066500		S6	=I	.K6	.PR6										A
P	1066500			13D17X,	38X,	01X,	50X,	17-148	08T							A
	1066502			B+.	.K6											A
P	1066502			13D17X,	\$. \$,	38X,	50X,									A
	1066504			+.B6	.SXB-L											A
P	1066504			13D\$.	44,	43X,										A
	1066506			+.FP6	.SXF7/4											A
P	1066506			13D\$.	47,	45X										A
	1070100		A7	=FF												A
P	1070100			16C33												A
	1070104		NA7	=NFF												A
P	1070104			16C34												A
	1070110		S/A7	=*+.S6	.AXSL1-4											A
P	1070110			16C39X,	14C06X,	43,\$.										A
	1070112			+.S6	.AXSR1GND-4											A
P	1070112			14C06X,	04X,\$.											A
	1070114			+.S11	.AXSL4-4											A
P	1070114			14C06X,	21,\$.											A
	1070116			+.NA7	.(PH2.A0)											A
P	1070116			16C39X,	35,	36X,										A
	1070118			+.S3	.NO2	.AXSR4-4										A
P	1070118			13C20,	03,	02,	19X,	07X								A
	1070130		R/A7	=	.AX/L											A
P	1070130			16C38												A
	1070134		C/A7	=	.CL-11C01											A
P	1070134			16C01X												A
	1070140		NA7-1	=I	.A7											A
P	1070140			13D\$.	18X											A
	1070300		B7	=FF												A
P	1070300			17C21X												A
	1070304		NB7	=NFF												A
P	1070304			17C27												A
	1070310		S/B7	=*+.B8	.BXBL1-L											A
P	1070310			17C\$.	\$.18,	13X,										A
	1070312			+.B4	.GND1916											A
P	1070312			17C\$.	28X,	12X,										A

CODE	LINE NO.	CHD	LOGIC EQUATIONS / PINS / REMARKS										C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1110100		A11	=FF												A
P	1110100			21C33												A
P	1110104		NA11	=NFF												A
P	1110104			21C34												A
P	1110110		S/A11	=+.S12.AXSL1-5												A
P	1110110			21C39X,19C38X,35X,\$,												A
P	1110112			+ .S10.AXSR1GND-5												A
P	1110112			19C38X,45X,\$,												A
P	1110114			+ .S7 .AXSR4-5												A
P	1110114			19C38X,25,\$,												A
P	1110116			+ .S15.AXSL4-A												A
P	1110116			21C39X,35,36X,												A
P	1110130		R/A11	= .AX/L												A
P	1110130			21C38												A
P	1110134		C/A11	= .CL-20C01												A
P	1110134			21C01X												A
P	1110140		NA11-1	=I .A11												A
P	1110140			15D\$,18X												A
P	1110300		B11	=FF												A
P	1110300			31C17X												A
P	1110304		NB11	=NFF												A
P	1110304			31C19												A
P	1110310		S/B11	=+.B12.BXBL1-L												A
P	1110310			31C\$, \$.21X,13X,												A
P	1110312			+ .B51.BXFP/L												A
P	1110312			31C\$,25X,12X,												A
P	1110330		R/B11	= .BX-L												A
P	1110330			31C09X												A
P	1110334		C/B11	= .CL-31D09												A
P	1110334			31C01X												A
P	1110500		C11	=B+.D12.DXDL1-L												A
P	1110500			15D15X,\$,\$,36,34X,												A
P	1110502			+ .D10.DXDR1-L												A
P	1110502			15D\$,39,37X,												A
P	1111300		D11	=FF												A
P	1111300			15D23X												A
P	1111304		ND11	=NFF												A
P	1111304			15D\$												A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS				PINS				REMARKS	C/L			
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	1190500		C19	=B**.	D20.DX	L1-L					+.C19.	GND1	822		A
P	1190500			22D15X,	\$.36,	34X,					\$.15X,	.40X			A
P	1190502			+.D18.DX	OR1-L						+.S19.	GND1	822		A
P	1190502			22D\$.39,	37X,						\$.19X,	.31X			A
P	1191300		D19	=FF											A
P	1191300			22D23X											A
P	1191304		ND19	=NFF											A
P	1191304			22D\$											A
P	1191310		S/D19	=*+.C19.							+.A19.	DXA-L			A
P	1191310			22D\$,	\$.15X,	.08X,					\$.13,	.11X			A
P	1191312			+.S19.DXS/L							+.C18.	GND1	822		A
P	1191312			22D\$,	.19X,	.03X,					\$.05X,	.14X			A
P	1191330		R/D19	=	.DX/L										A
P	1191330			22D07X											A
P	1191334		C/D19	=	.CL-18D09										A
P	1191334			22D09X											A
P	1192100		FP19	=B**.	NFPX						+.S19.	FPXSL			A
P	1192100			17835X,	\$.30X,	.42\$,	.39,	.31X,	.35-	32821C-20030T					A
P	1192102			+.S59.FPX	SU						+.FPX	MISC			A
P	1192102			178\$,	.36,	.29X,					\$.38,	.28X			A
P	1192104			+.FP19.GND1	717										A
P	1192104			178\$,	.35X,	.27X									A
P	1192500		G19	=B**.	A19.D19.GX	AD/E					+.NA19-1.D19.GND1	822			A
P	1192500			22D06,	\$.18X,	.23X,	.21X,				\$.23X,	.22X			A
P	1192502			+.A19.ND19.GX	AND/E										A
P	1192502			22D\$,	.18X,	\$.25X									A
P	1192750		K19	=B**.	G2023						+.G24	27.PR2023			A
P	1192750			19D19,	\$.04X,						\$.01X,	.10X,	.19-20D28T		A
P	1192751			+.G2831.PR2023.PR2427											A
P	1192751			19D\$,	.06X,	.10X,	.09X								A
P	1192752			+.K31.PR2023.PR2427.PR2831											A
P	1192752			19D\$,	.08X,	.10X,	.09X,	.07X							A
P	1195500		PR19	=B**.	A19.D19.PRX	AD/E					+.NA19-1.D19.PRX	NAD/E			A
P	1195500			22D02X,	\$.18X,	.23X,	.29X,				\$.23X,	.27X,	.02-12D10T		A
P	1195502			+.A19.ND19.PRX	AND/E						+.NA19-1.ND19.PRX	NAND/E			A
P	1195502			22D\$,	.18X,	\$.20X,					\$.26X				A

COOE	LINE NO.	CHC	LOGIC	EQUATIONS	PINS	REMARKS	C/L								
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70
P	1210500		C21	=B*+.D22.DXOL1-L		+ .C21.GND1824	A								
	1210500			24D15X,\$,\$,36,34X,		\$.15X,40X	A								
P	1210502			+ .D20.DXOR1-L		+ .S21.GND1824	A								
	1210502			24D\$,39,37X,		\$.19X,31X	A								
P	1211300		D21	=FF			A								
	1211300			24D23X			A								
P	1211304		ND21	=NFF			A								
	1211304			24D\$			A								
P	1211310		S/D21	=*+.C21.		+ .A21.DXA-L	A								
	1211310			24D\$,\$.15X,08X,		\$.13,11X	A								
P	1211312			+ .S21.DXS/L		+ .C20.GND1824	A								
	1211312			24D\$,19X,03X,		\$.05X,14X	A								
P	1211330		R/D21	= .DX/L			A								
	1211330			24D07X			A								
P	1211334		C/D21	= .CL-18D09			A								
	1211334			24D09X			A								
P	1212100		FP21	=B*+.NFPX		+ .S21.FPXSL	A								
	1212100			17B13X,\$,\$,30X,04,\$,03,31		X,13-32B23C-20D24T	A								
P	1212102			+ .S61.FPXSU		+ .PH1.FPXMISC	A								
	1212102			17B\$,02,29X,		\$.01,28X	A								
P	1212104			+ .FP21.GND1717			A								
	1212104			17B\$,13X,17X			A								
P	1212500		G21	=B*+.A21.D21.GXAD/E		+ .NA21-1.D21.GND1824	A								
	1212500			24D06,\$,\$,18X,23X,21X,		\$. \$, 23X, 22X	A								
P	1212502			+ .A21.ND21.GXAND/E			A								
	1212502			24D\$,18X,\$,25X			A								
P	1212750		K21	=B*+.G22		+ .G23.PR22	A								
	1212750			23D18,\$,\$,01,		\$.06X,09X	A								
P	1212751			+ .K23.PR22.PR23			A								
	1212751			23D\$,08X,09X,07X			A								
P	1215500		PR21	=B*+.A21.D21.PRXAD/E		+ .NA21-1.D21.PRXNAD/E	A								
	1215500			24D02X,\$,\$,18X,23X,29X,		\$. \$, 23X,27X,02-20D12T	A								
P	1215502			+ .A21.ND21.PRXAND/E		+ .NA21-1.ND21.PRXNAND/E	A								
	1215502			24D\$,18X,\$,20X,		\$. \$, \$, 26X	A								

CODE	LINE NO.	C/d	LOGIC EQUATIONS										PINS	REMARKS	C/L	
			1	2	3	4	5	6	7	8	9	10				20	30	40	50	60	70
P	1240110	S/A24	=*.S25.AXSL1-7										+.S24.AXS-7			A
P	1240110		26C18X,28C18X,17X,\$,										18X,05X,37X			A
P	1240112		+.S23.AXSR1GND-7										+.S22.AXSR2-7			A
P	1240112		28C18X,07X,\$,										18X,08,\$			A
P	1240114		+.S20.AXSR4-7										+.FP24.AXFP-7			A
P	1240114		28C18X,22,\$,										18X,31,10X			A
P	1240116		+.S28.AXSL4-A										+.GND1926			A
P	1240116		26C18X,25,10X,										18X,17X			A
P	1240130	R/A24	=.AX/L													A
P	1240130		26C23													A
P	1240134	C/A24	=.CL-25C01													A
P	1240134		26C01X													A
P	1240140	NA24-1	=I .A24													A
P	1240140		26D\$,24X													A
P	1240300	B24	=FF													A
P	1240300		25C21X													A
P	1240304	NB24	=NFF													A
P	1240304		25C27													A
P	1240310	S/B24	=*.B25.BXBL1-L										+.B26.BXBL2-L			A
P	1240310		25C\$,\$.18,13X,										\$.20,11X			A
P	1240312		+.B64.BXFP/L										+.B23.GND1925			A
P	1240312		25C\$,28X,12X,										\$.17X,14X			A
P	1240330	R/B24	=.BX-L													A
P	1240330		25C09X													A
P	1240334	C/B24	=.CL-25C01													A
P	1240334		25C01X													A
P	1240500	C24	=B*+.D25.DXDL1-L										+.C24.GND1827			A
P	1240500		26D05X,\$,\$,30,34X,										\$.05X,40X			A
P	1240502		+.D23.DXDR1-L										+.S24.GND1827			A
P	1240502		26D\$,35,37X,										\$.17X,31X			A
P	1241300	D24	=FF													A
P	1241300		26D28X													A
P	1241304	ND24	=NFF													A
P	1241304		26D\$													A
P	1241310	S/D24	=*.C24.										+.A24.DXA-L			A
P	1241310		26D\$,\$.05X,08X,										\$.12,11X			A
P	1241312		+.S24.DXS/L										+.GND1827.			A
P	1241312		26D\$,17X,03X,										\$.14X,10			A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L	
			1	2	3	10	20	30	40	50	60	1	2	3		
P	1270310		S/B27	=	++	.B28	.BXL1-L									A
	1270310					20C\$	\$.21X,13X,									A
P	1270312					+.B67	.BXP/L									A
	1270312					20C\$	.25X,12X,									A
P	1270330		R/B27	=	.	BX-L										A
	1270330					20C09X										A
P	1270334		C/B27	=	.	CL-20C01										A
	1270334					20C01X										A
P	1270500		C27	=	B++	.D28	.DXDL1-L									A
	1270500					27D15X	\$.36,34X,									A
P	1270502					+.D26	.DXDR1-L									A
	1270502					27D\$	.39,37X,									A
P	1271300		D27	=	FF											A
	1271300					27D23X										A
P	1271304		ND27	=	NFF											A
	1271304					27D\$										A
P	1271310		S/D27	=	++	.C27										A
	1271310					27D\$	\$.15X,08X,									A
P	1271312					+.S27	.DXS/L									A
	1271312					27D\$	.19X,03X,									A
P	1271330		R/D27	=	.	DX/L										A
	1271330					27D07X										A
P	1271334		C/D27	=	.	CL-31D09										A
	1271334					27D09X										A
P	1272100		FP27	=	B++	.NFPX										A
	1272100					18B35X	\$.30X,42\$.39,31X,35-04033T-32B29C									A
P	1272102					+.S67	.FPXSU									A
	1272102					18B\$	.36,29X,									A
P	1272104					+.FP27	.GND1718									A
	1272104					18B\$	.35X,27X									A
P	1272500		G27	=	B++	.A27	.D27.GXAD/7									A
	1272500					27D06	\$.18X,23X,21X,									A
P	1272502					+.A27	.ND27.GXAND/7									A
	1272502					27D\$	.18X, \$.25X									A
P	1272750		K27	=	B++	.G2831										A
	1272750					19D20	\$.06X,									A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	1461310		S/D46	=*.C46.																				+ .A47.DXA-U	A																									
P	1461310			11B\$, \$.05X, .08X,																				\$.12, .11X	A																									
	1461312			+.S46.DXS-U																				+.GND1711.	A																									
P	1461312			11B\$, .17X, .03X,																				\$.14X, 10	A																									
	1461330		R/D46	=.DX-U																					A																									
P	1461330			11B07X																					A																									
	1461334		C/D46	=.CL-05B09																					A																									
P	1461334			11B09X																					A																									
	1461340		ND46-1	=I.D46																					A																									
P	1461340			13A15, 13, 15-20A29T																					A																									
	1462500		G46	=B*+.A47-1.D46.GXAD/A																				+.NA47-2.D46.GND1711	A																									
P	1462500			11B04, \$, \$.24X, 28X, 21X,																				\$, \$, 28X, 22X	A																									
	1462502			+.A47-1.ND46.GXAND/A																					A																									
P	1462502			11B\$, .24X, \$, 25X																					A																									
	1462750		K46	=B*+.G47																				+.G4851.PR47	A																									
P	1462750			05D28, \$, \$.46,																				\$.44X, 43X, 28-19826T	A																									
	1462751			+.G5255.PR47.PR4851																				+.K71.PR4771	A																									
P	1462751			05D\$, .50X, 43X, 40X,																				\$.45, 38	A																									
	1462752			+.G5671.PR47.PR4851.PR5255																					A																									
P	1462752			05D\$, .47X, 43X, 40X, 39X																					A																									
	1462755		NK46	=I.K46.																					A																									
P	1462755			13B05, .02, .20X, .05-05C04T																					A																									
	1462760		K46-1	=B.K46.																					A																									
P	1462760			27B05, .20X, .02, .05-22A05C-22B05C-08A45T																					A																									
	1462770		K46-2	=B.K46.																					A																									
P	1462770			27B18, .20X, .04																					A																									
	1465500		PR46	=B*+.A47-1.D46.PRXAD/A																				+.NA47-2.D46.PRXNAD/A	A																									
P	1465500			11B01X, \$, \$.24X, 28X, 29X,																				\$, \$, 28X, 27X, .01-04D37T	A																									
	1465502			+.A47-1.ND46.PRXAND/A																				+.NA47-2.ND46.PRXNAND/A	A																									
P	1465502			11B\$, .24X, \$, 20X,																				\$, \$, \$, 26X	A																									
	1466500		S46	=I .PH8																					A																									
P	1466500			15C28, .21, .29X																					A																									
	1466501			I .K46.PR46.																					A																									
P	1466501			11B17X, .38X, .01X, .50X																					A																									
	1466502			B*+.K46.																				+.PR46	A																									
P	1466502			11B17X, \$, \$.38X, .50X,																				\$.01X	A																									
	1466504			+.GND1711.																				+.C46.GND1711	A																									
P	1466504			11B\$, .44, .43X,																				\$.05X, .41X	A																									
	1466506			+.S47 .SXFP/U																					A																									
P	1466506			11B\$, .47, .45X																					A																									

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS	PINS	REMARKS	C/L
1	2	3	4	5	6	7
P	1490304	NB49	=NFF 31C39, 39-20D09T			A A
P	1490310	S/B49	=*+.B50.BXBL1-U 31CS, \$, 10X, 36X,		+.B51.BXBL2-U \$, 25X, 34X	A A
P	1490312		+. (S/B49/I) 31CS, 44, 40X,		+.B49.GND1931 \$, 45X, 38X	A A
P	1490330	R/B49	= .BX-U 31C42X			A A
P	1490334	C/B49	= .CL-31D09 31C01X			A A
P	1490350	(S/B49/I)	=B*+.FP30.BXFP/U. 22C47, \$, \$, 30, 41X, 29,		+.S29.(PHB.DIV.SW1) \$, 28, 35X, 36	A A
P	1490500	C49	=B*+.D50.DXD11-U 10B15X, \$, \$, 36, 34X, +.D48.DXDR1-U		+.C49.GND1710 \$, 15X, 40X +.S49.GND1710 \$, 19X, 31X	A A A
P	1491300	D49	=FF 10B23X, 23-12A24C-12B24C-08A50T			A A
P	1491304	ND49	=NFF 10B8\$			A A
P	1491310	S/D49	=*+.C49. 10B\$, \$, 15X, 08X, +.S49.DXS-U		+.A49.DXA-U \$, 13, 11X +.C48.GND1710 \$, 05X, 14X	A A A
P	1491330	R/D49	= .DX-U 10B07X			A A
P	1491334	C/D49	= .CL-05B09 10B09X			A A
P	1492500	G49	=B*+.A49.D49.GXAD/A 10B06, \$, \$, 18X, 23X, 21X, +.A49.ND49.GXAND/A		+.NA49-1.D49.GND1710 \$, \$, 23X, 22X	A A A
P	1492750	K49	=B*+.G50 08B27, \$, \$, 50X, +.K51.PR50.PR51		+.G51.PR50 \$, 47X, 39X	A A A
P	1492751		08B\$, 42X, 39X, 41X			A

CODE	LINE NO.	CHK	LOGIC EQUATIONS			PINS			REMARKS	C/L
	1 2 3 4 5 6 7 8 9	0	10 12 3 4 5 6 7 8 9	20 2 3 4 5 6 7 8 9	30 2 3 4 5 6 7 8 9	40 2 3 4 5 6 7 8 9	50 2 3 4 5 6 7 8 9	60 2 3 4 5 6 7 8 9	70	
P	1495500		PR49	=B*+.A49.D49.PR49	AD/A			+ .NA49-1.D49.PR49	AD/A	A
P	1495500			10B02X,\$,\$,18X,23X,29X,				\$,\$,23X,27X		A
P	1495502			+ .A49.ND49.PR49	AND/A			+ .NA49-1.ND49.PR49	AND/A	A
P	1495502			10B\$,18X,\$,20X,				\$,\$,\$,26X		A
P	1496500		S49	=I .K49.PR49.						A
P	1496500			10B19X,46X,02X,50X,19-14E24T						A
P	1496502			B*+.K49.				+ .PR49		A
P	1496504			10B19X,\$,\$,46X,50X,				\$,02X		A
P	1496504			+ .B49.SXB-U				+ .C49.GND1710		A
P	1496504			10B\$,42,43X,				\$,15X,41X		A
P	1496506			+ .FP9 .SXFP/U						A
P	1496506			10B\$,33,45X						A
P	1500100		A50	=FF						A
P	1500100			01C14,14-12A15C-12B15C-08A37T						A
P	1500104		NA50	=NFF				, SEE EQUATION A4851Z		A
P	1500104			01C12						A
P	1500110		S/A50	=*+.S51.AXSL1-1				+ .S50.AXS-1		A
P	1500110			01C11X,02C11X,44X,\$,				11X,45X,37X		A
P	1500112			+ .S49.AXSR1GND-1				+ .S48.AXSR2-1		A
P	1500112			02C11X,17X,\$,				11X,05X,\$		A
P	1500114			+ .S46.AXSR4-1				+ .S54.AXSL4-1		A
P	1500114			02C11X,23,\$,				11X,34,10X		A
P	1500116			+ .GND1901.				+ .GND1901		A
P	1500116			01C11X,13,10X,				11X,20		A
P	1500130		R/A50	= .AX-U						A
P	1500130			01C15						A
P	1500134		C/A50	= .CL-03C01						A
P	1500134			01C01X						A
P	1500140		NA50-1	=I .A50						A
P	1500140			09B\$,24X						A
P	1500300		B50	=FF						A
P	1500300			31C33						A
P	1500304		NB50	=NFF						A
P	1500304			31C35						A
P	1500310		S/B50	=*+.B51.BXBL1-U				+ .B52.BXBL2-U		A
P	1500310			31C\$,25X,36X,				\$,28X,34X		A
P	1500312			+ .(S/B50/1)				+ .B50.GND1931		A
P	1500312			31C\$,30,40X,				\$,10X,38X		A
P	1500330		R/B50	= .BX-U						A
P	1500330			31C42X						A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L			
			1	2	3	4	5	6	7	8	9	10	11	12				
	1551310	S/D55				=** .C55.								+ .A55.DXA-U				A
P	1551310					06B\$. \$.15X, 08X,								\$.13, 11X				A
	1551312					+ .S55.DXS-U								+ .C54.GND1706				A
P	1551312					06B\$.19X, 03X,								\$.05X, 14X				A
	1551330	R/D55				= .DX-U												A
P	1551330					06B07X												A
	1551334	C/D55				= .CL-06C01												A
P	1551334					06B09X												A
	1552500	G55				=B*+.A55.D55.GXAD/A								+ .NA55-1.D55.GND1706				A
P	1552500					06B06\$. \$.18X, 23X, 21X,								\$. \$. 23X, 22X				A
	1552502					+ .A55.ND55.GXAND/A												A
P	1552502					06B\$.18X, \$. 25X												A
	1552750	K55				=B*+.G5671								+ .K71.PR5671				A
P	1552750					05D25\$. \$.47X,								\$.42X, 41X, 25-05C12T				A
	1555500	PR55				=B*+.A55.D55.PRXAD/A								+ .NA55-1.D55.PRXNAD/A				A
P	1555500					06B02X\$. \$.18X, 23X, 29X,								\$. \$. 23X, 27X				A
	1555502					+ .A55.ND55.PRXAND/A								+ .NA55-1.ND55.PRXNAND/A				A
P	1555502					06B\$.18X, \$. 20X,								\$. \$. \$. 26X				A
	1556500	S55				=I .K55.PR55.												A
P	1556500					06B19X, 46X, 02X, 50X, 19-14E11T												A
	1556502					B*+.K55.								+ .PR55				A
P	1556502					06B19X\$. \$.46X, 50X,								\$.02X				A
	1556504					+ .B55.SXB-U								+ .C55.GND1706				A
P	1556504					06B\$.42, 43X,								\$.15X, 41X				A
	1556506					+ .FP15.SXFP/U												A
P	1556506					06B\$.33, 45X												A
	1560100	A56				=FF												A
P	1560100					03C33												A
	1560104	NA56				=NFF												A
P	1560104					03C34												A
	1560110	S/A56				=** .S57.AXSL1-2								+ .S56.AXS-2				A
P	1560110					03C39X, 04C18X, 17X, \$,								18X, 05X, 37X				A
	1560112					+ .S55.AXSR1GND-2								+ .S54.AXSR2-2				A
P	1560112					04C18X, 07X, \$,								18X, 08, \$				A
	1560114					+ .S60.AXSL4-2								+ .S52.AXSR4-2				A
P	1560114					04C18X, 22, \$,								18X, 31, 10X				A
	1560116					+ .GND1903.								+ .GND1903				A
P	1560116					03C39X, 36X, 35,								39X, 37X				A
	1560130	R/A56				= .AX-U												A
P	1560130					03C38												A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS												C/L																																												
			1	2	3	4	5	6	7	8	9	20	21	22		23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	1570310		S/B57	=++ .B58 .BXBL1-U																																																							
P	1570310			27C\$, .10X, 36X,																																																							
	1570312			+.FP22 .BXFP/U																																																							
P	1570312			27C\$, .44, 40X,																																																							
	1570330		R/B57	= .BX-U																																																							
P	1570330			27C42X																																																							
	1570334		C/B57	= .CL-27C01																																																							
P	1570334			27C01X																																																							
	1570500		C57	=B*+.D58.DXDL1-U																																																							
P	1570500			05B15X, \$, .36, 34X,																																																							
	1570502			+.D56.DXDR1-U																																																							
P	1570502			05B\$, .39, 37X,																																																							
	1571300		D57	=FF																																																							
P	1571300			05B23X																																																							
	1571304		ND57	=NFF																																																							
P	1571304			05B\$																																																							
	1571310		S/D57	=++ .C57.																																																							
P	1571310			05B\$, .15X, 08X,																																																							
	1571312			+.S57.DXS-U																																																							
P	1571312			05B\$, .19X, 03X,																																																							
	1571330		R/D57	= .DX-U																																																							
P	1571330			05B07X																																																							
	1571334		C/D57	= .CL-05B09																																																							
P	1571334			05B09X																																																							
	1572500		G57	=B*+.A57.D57.GXAD/B																																																							
P	1572500			05B06, \$, .18X, 23X, 21X,																																																							
	1572502			+.A57.ND57.GXAND/B																																																							
P	1572502			05B\$, .18X, \$, 25X																																																							
	1572750		K57	=B*+.G58																																																							
P	1572750			03B27, \$, .50X,																																																							
	1572751			+.K59.PR58.PR59																																																							
P	1572751			03B\$, .42X, 39X, 41X																																																							
	1575500		PR57	=B*+.A57.D57.PRXAD/B																																																							
P	1575500			05B02X, \$, .18X, 23X, 29X,																																																							
	1575502			+.A57.ND57.PRXAND/B																																																							
P	1575502			05B\$, .18X, \$, 20X,																																																							

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	PINS	REMARKS	C/L		
	1 2345678 9	10	123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70
P	1576500		S57	=I .K57.PR57.					A
P	1576500			05B19X,46X,02X,50X,19-19B22T					A
P	1576502			B*+.K57.		+ .PR57			A
P	1576502			05B19X,\$.46X,50X,		\$.02X			A
P	1576504			+ .B57.SXB-U		+ .C57.GND1705			A
P	1576504			05B\$,42,43X,		\$.15X,41X			A
P	1576506			+ .FP17.SXFP/U					A
P	1576506			05B\$,33, 45X					A
P	1580100		A58	=FF					A
P	1580100			03C14					A
P	1580104		NA58	=NFF					A
P	1580104			03C12					A
P	1580110		S/A58	=*+.S59.AXSL1-2		+ .S58.AXS-2			A
P	1580110			03C11X,04C11X,44X,\$.		11X,45X, 37X			A
P	1580112			+ .S57.AXSR1GND-2		+ .S56.AXSR2-2			A
P	1580112			04C11X,17X,\$.		11X,05X, \$			A
P	1580114			+ .S62.AXSL4-2		+ .S54.AXSR4-2			A
P	1580114			04C11X,23,\$.		11X,34, 10X			A
P	1580116			+ .GND1903.FPCON		+ .GND1903			A
P	1580116			03C11X,13,10X,		11X,20			A
P	1580130		R/A58	= .AX-U					A
P	1580130			03C15					A
P	1580134		C/A58	= .CL-03C01					A
P	1580134			03C01X					A
P	1580140		NA58-1	=I .A58					A
P	1580140			04B\$,24X					A
P	1580300		B58	=FF					A
P	1580300			27C33					A
P	1580304		NB58	=NFF					A
P	1580304			27C35					A
P	1580310		S/B58	=*+.B59.BXBL1-U		+ .B60.BXBL2-U			A
P	1580310			27C\$, \$,25X,36X,		\$.28X, 34X			A
P	1580312			+ .FP21.BXFP/U		+ .B58.GND1927			A
P	1580312			27C\$,30, 40X,		\$.10X, 38X			A
P	1580330		R/B58	= .BX-U					A
P	1580330			27C42X					A
P	1580334		C/B58	= .CL-27C01					A
P	1580334			27C01X					A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	20	30	40	50	60	70	20	30	40	
P	1610304		NB61	=	NFF										A
P	1610304				25C39										A
P	1610310		S/B61	=	++.B62.BXBL1-U										A
P	1610310				25C\$.\$.10X.36X,										A
P	1610312				+.FP18.BXFP/U										A
P	1610312				25C\$.44.40X,										A
P	1610330		R/B61	=	.BX-U										A
P	1610330				25C42X										A
P	1610334		C/B61	=	.CL-25C01										A
P	1610334				25C01X										A
P	1610500		C61	=	B*+.D62.DXDL1-U										A
P	1610500				02B15X,\$.\$.36.34X,										A
P	1610502				+.D60.DXDR1-U										A
P	1610502				02B\$.39.37X,										A
P	1611300		D61	=	FF										A
P	1611300				02B23X										A
P	1611304		ND61	=	NFF										A
P	1611304				02B\$										A
P	1611310		S/D61	=	++.C61.										A
P	1611310				02B\$.\$.15X.08X,										A
P	1611312				+.S61.DXS-U										A
P	1611312				02B\$.19X.03X,										A
P	1611330		R/D61	=	.DX-U										A
P	1611330				02B07X										A
P	1611334		C/D61	=	.CL-05B09										A
P	1611334				02B09X										A
P	1612500		G61	=	B*+.A61.D61.GXAD/B										A
P	1612500				02B06\$.\$.18X.23X.21X,										A
P	1612502				+.A61.ND61.GXAND/B										A
P	1612502				02B\$.18X,\$.25X										A
P	1612750		K61	=	B*+.G62										A
P	1612750				03B18,\$.\$.01,										A
P	1612751				+.K63.PR62.PR63										A
P	1612751				03B\$.08X.09X.07X										A
P	1615500		PR61	=	B*+.A61.D61.PRXAD/B										A
P	1615500				02B02X,\$.\$.18X.23X.29X,										A
P	1615502				+.A61.ND61.PRXAND/B										A
P	1615502				02B\$.18X,\$.20X,										A

CODE	LINE NO.	CHG	LOGIC EQUATIONS				PINS				REMARKS	C/L				
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70	
P	1631310		S/D63	=*+.C63.												A
P	1631310			01B\$.\$.15X.08X.												A
P	1631312			+ .S63.DXS-U												A
P	1631312			01B\$.19X.03X.												A
P	1631330		R/D63	= .DX-U												A
P	1631330			01B07X												A
P	1631334		C/D63	= .CL-05B09												A
P	1631334			01B09X												A
P	1632500		G63	=B*+.A63.D63.GXAD/B												A
P	1632500			01B06\$.\$.18X.23X.21X.												A
P	1632502			+ .A63.ND63.GXAND/B												A
P	1632502			01B\$.18X. \$. 25X												A
P	1632750		K63	=B*+.G6467												A
P	1632750			05D18\$.\$.01X.												A
P	1632751			+ .K71.PR6467. PR6871												A
P	1632751			05D\$.08X. 09X. 07X												A
P	1635500		PR63	=B*+.A63.D63.PRXAD/B												A
P	1635500			01B02X\$.\$.18X.23X.29X.												A
P	1635502			+ .A63.ND63.PRXAND/B												A
P	1635502			01B\$.18X. \$. 20X.												A
P	1636500		S63	=I .K63.PR63.												A
P	1636500			01B19X.46X.02X.50X.19-19B13T												A
P	1636502			B*+.K63.												A
P	1636502			01B19X\$.\$.46X.50X.												A
P	1636504			+ .B63.SXB-U												A
P	1636504			01B\$.42.43X.												A
P	1636506			+ .FP23.SXFP/U												A
P	1636506			01B\$.33. 45X												A
P	1640100		A64	=FF												A
P	1640100			06C33												A
P	1640104		NA64	=NFF												A
P	1640104			06C34												A
P	1640110		S/A64	=*+.S65.AXSL1-3												A
P	1640110			06C39X.09C18X.17X.\$.												A
P	1640112			+ .S63.AXSR1GND-3												A
P	1640112			09C18X.07X.\$.												A
P	1640114			+ .S68.AXSL4-3												A
P	1640114			09C18X.22.\$.												A
P	1640116			+ .GND1907.												A
P	1640116			06C39X.36X.35.												A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																						
			10	1	2	3	4	5	6	7	8	9	20	2	3	4	5	6	7	8	9	40			2	3	4	5	6	7	8	9	50	2	3	4	5	6	7	8	9	60	2	3	4	5
P	1642500	G64	=B*+.A64.D64.GXAD/B 01D04,\$,\$,24X,28X,21X,										+.NA64-1.D64.GND1803 \$, \$, 28X, 22X											A																						
P	1642502		+.A64.ND64.GXAND/B 01D\$,24X, \$, 25X																					A																						
P	1642750	K64	=B*+.G65 03D26,\$,\$,44X,										+.G66.PR65 \$,50X,40X											A																						
P	1642751		+.G67.PR65.PR66 03D\$,47X,40X,39X,										+.K67.PR65.PR66.PR67 \$,42X,40X, 39X, 41X											A																						
P	1645500	PR64	=B*+.A64.D64.PRXAD/B 01D01X,\$,\$,24X,28X,29X,										+.NA64-1.D64.PRXNAD/B \$, \$, 28X, 27X											A																						
P	1645502		+.A64.ND64.PRXAND/B 01D\$,24X, \$, 20X,										+.NA64-1.ND64.PRXNAND/B \$, \$, \$, 26X											A																						
P	1646500	S64	=I .K64.PR64. 01D17X,38X,01X,50X,17-19B46T																					A																						
P	1646502		B*+.K64. 01D17X,\$,\$,38X,50X,										+.PR64 \$,01X											A																						
P	1646504		+.B64.SXB-U 01D\$,44,43X,										+.C64.GND1803 \$,05X,41X											A																						
P	1646506		+.FP24.SXFP/U 01D\$,47, 45X																					A																						
P	1650100	A65	=FF 06C02																					A																						
P	1650104	NA65	=NFF 06C21																					A																						
P	1650110	S/A65	=*.S66.AXSL1-3 06C18X,09C13X,45X,\$,										+.S65.AXS-3 13X,17X, 37X											A																						
P	1650112		+.S64.AXSRIGND-3 09C13X,05X,\$,										+.S63.AXSR2-3 13X,07X, \$											A																						
P	1650114		+.S69.AXSL4-3 09C13X,20,\$,										+.S61.AXSR4-3 13X,30, 10X											A																						
P	1650116		+.GND1907. 06C18X,25,10X,										+.GND1907 18X,17X											A																						
P	1650130	R/A65	=.AX-U 06C23																					A																						
P	1650134	C/A65	=.CL-06C01 06C01X																					A																						
P	1650140	NA65-1	=I .A65 01D\$,18X																					A																						
P	1650300	B65	=FF 20C37,37-26A25C-26B25C-08A14T																					A																						

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L										
			1	2	3	20	23	24	30	23	45	40	23	45		50	23	45	60	23	45	70			
P	1656500		S65	=I	.K65.PR65.																				A
P	1656500				01D19X,46X,02X,50X,19-19B25T																				A
P	1656502				B**+.K65.																				A
P	1656502				01D19X,\$,\$.46X,50X,																				A
P	1656504				+.B65.SXB-U																				A
P	1656504				01D\$,42,43X,																				A
P	1656506				+.FP25.SXFP/U																				A
P	1656506				01D\$,33, 45X																				A
P	1660100		A66	=FF																					A
P	1660100				06C14																				A
P	1660104		NA66	=NFF																					A
P	1660104				06C12																				A
P	1660110		S/A66	=**+.S67.AXSL1-3																					A
P	1660110				06C11X,09C11X,44X,\$, 11X,45X, 37X																				A
P	1660112				+.S65.AXSR1GND-3																				A
P	1660112				09C11X,17X,\$, 11X,05X, \$																				A
P	1660114				+.S70.AXSL4-3																				A
P	1660114				09C11X,23,\$, 11X,34, 10X																				A
P	1660116				+.GND1907.																				A
P	1660116				06C11X,13,10X, 11X,20																				A
P	1660130		R/A66	= .AX-U																					A
P	1660130				06C15																				A
P	1660134		C/A66	= .CL-06C01																					A
P	1660134				06C01X																				A
P	1660140		NA66-1	=I .A66																					A
P	1660140				02D\$,24X																				A
P	1660300		B66	=FF																					A
P	1660300				20C33																				A
P	1660304		NB66	=NFF																					A
P	1660304				20C35																				A
P	1660310		S/B66	=**+.B67.BXBL1-U																					A
P	1660310				20C\$,\$.25X,36X, \$,28X, 34X																				A
P	1660312				+.FP13.BXFP/U																				A
P	1660312				20C\$,30, 40X, \$,10X, 38X																				A
P	1660330		R/B66	= .BX-U																					A
P	1660330				20C42X																				A
P	1660334		C/B66	= .CL-20C01																					A
P	1660334				20C01X																				A

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS	C/L	
			1	2	3	4	5	6	7	8	9			
P	1670110	S/A67	=*	.S68	.AXSL1-3							+ .S67 .AXS-3		A
P	1670110		06C41X,	09C38X,	35X,\$,				38X,44X,	37X				A
P	1670112		+ .S66 .AXSR1GND-3						+ .S65 .AXSR2-3					A
P	1670112		09C38X,	45X,\$,					38X,17X,	\$				A
P	1670114		+ .S71 .AXSL4-3						+ .S63 .AXSR4-3					A
P	1670114		09C38X,	25,\$,					38X,28,	10X				A
P	1670116		+ .GND1907.						+ .GND1907					A
P	1670116		06C41X,	36X,42,					41X,37X					A
P	1670130	R/A67	=	.AX-U										A
P	1670130		06C40											A
P	1670134	C/A67	=	.CL-06C01										A
P	1670134		06C01X											A
P	1670140	NA67-1	=I	.A67										A
P	1670140		02D\$,	18X										A
P	1670300	B67	=FF											A
P	1670300		20C29											A
P	1670304	NB67	=NFF											A
P	1670304		20C31											A
P	1670310	S/B67	=*	.B68 .BXBL1-U					+ .B69 .BXBL2-U					A
P	1670310		20C\$,	\$,28X,	36X,				\$,24,	34X				A
P	1670312		+ .FP12 .BXFP7U						+ .B67 .GND1920					A
P	1670312		20C\$,	26,	40X,				\$,25X,	38X				A
P	1670314		+ .N06 .BXBL1-U											A
P	1670314		20C\$,	23,22										A
P	1670330	R/B67	=	.BX-U										A
P	1670330		20C42X											A
P	1670334	C/B67	=	.CL-20C01										A
P	1670334		20C01X											A
P	1670500	C67	=B*	.D68 .DXDL1-U					+ .C67 .GND1804					A
P	1670500		02D15X,	\$,\$,36,	34X,				\$,15X,	40X				A
P	1670502		+ .D66 .DXDR1-U						+ .S67 .GND1804					A
P	1670502		02D\$,	39,	37X,				\$,19X,	31X				A
P	1671300	D67	=FF											A
P	1671300		02D23X											A
P	1671304	ND67	=NFF											A
P	1671304		02D\$,											A

CODE	LINE NO.	CHK	LOGIC				EQUATIONS				PINS				REMARKS	C/L
1	2345678	9	10	123456789	20	23456789	30	23456789	40	123456789	50	23456789	60	23456789	70	
P	1690310		S/B69		=	*+.B70.BXBL1-U								+ .B71.BXBL2-U		A
P	1690310					18C\$. \$.10X, 36X,								\$.25X, 34X		A
P	1690312					+ .FP10.BXFP/U								+ .B69.GND1918		A
P	1690312					18C\$.44, 40X,								\$.45X, 38X		A
P	1690330		R/B69		=	.BX-U										A
P	1690330					18C42X										A
P	1690334		C/B69		=	.CL-17C01										A
P	1690334					18C01X										A
P	1690500		C69		=	B*+.D70.DXDL1-U								+ .C69.GND1807		A
P	1690500					06D15X, \$. \$.36, 34X,								\$.15X, 40X		A
P	1690502					+ .D68.DXDR1-U								+ .S69.GND1807		A
P	1690502					06D\$.39, 37X,								\$.19X, 31X		A
P	1691300		D69		=	FF										A
P	1691300					06D23X										A
P	1691304		ND69		=	NFF										A
P	1691304					06D\$.										A
P	1691310		S/D69		=	*+.C69.								+ .A69.DXA-U		A
P	1691310					06D\$. \$.15X, 08X,								\$.13, 11X		A
P	1691312					+ .S69.DXS-U								+ .C68.GND1807		A
P	1691312					06D\$.19X, 03X,								\$.05X, 14X		A
P	1691330		R/D69		=	.DX-U										A
P	1691330					06D07X										A
P	1691334		C/D69		=	.CL-07D09										A
P	1691334					06D09X										A
P	1692500		G69		=	B*+.A69.D69.GXAD/C								+ .NA69-1.D69.GND1807		A
P	1692500					06D06, \$. \$.18X, 23X, 21X,								\$, \$, 23X, 22X		A
P	1692502					+ .A69.ND69.GXAND/C										A
P	1692502					06D\$.18X, \$, 25X										A
P	1692750		K69		=	B*+.G70								+ .G71.PR70		A
P	1692750					03D18, \$. \$.01,								\$.06X, 09X		A
P	1692751					+ .K71-1.PR70.PR71										A
P	1692751					03D\$.08X, 09X, 07X										A
P	1695500		PR69		=	B*+.A69.D69.PRXAD/C								+ .NA69-1.D69.PRXNAD/C		A
P	1695500					06D02X, \$. \$.18X, 23X, 29X,								\$, \$, 23X, 27X		A
P	1695502					+ .A69.ND69.PRXAND/C								+ .NA69-1.N069.PRXNAND/C		A
P	1695502					06D\$.18X, \$, 20X,								\$, \$, \$, 26X		A

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
P	1696500		S69	=I	.K69.PR69.					A
P	1696500				06D19X,46X,02X,50X,19-19B03T					A
P	1696502				B**+.K69.			+ .PR69		A
P	1696502				06D19X,\$,\$,46X,50X,			\$,02X		A
P	1696504				+ .B69.SXB-U			+ .C69.GND1807		A
P	1696504				06D\$,42,43X,			\$,15X,41X		A
P	1696506				+ .FP29.SXFP/U					A
P	1696506				06D\$,33,45X					A
P	1700100		A70	=FF						A
P	1700100				11C02					A
P	1700104		NA70	=NFF						A
P	1700104				11C21					A
P	1700110		S/A70	=**+.S71.AXSL1-3				+ .S70.AXS-3		A
P	1700110				11C18X,09C42X,36X,\$,			42X,04X,37X		A
P	1700112				+ .S69.AXSR1GND-3			+ .S68.AXSR2-3		A
P	1700112				09C42X,14X,\$,			42X,35X,\$		A
P	1700114				+ .S2.AXSL4-3			+ .S66.AXSR4-3		A
P	1700114				09C42X,19,\$,			42X,29,10X		A
P	1700116				+ .GND1912.FPCON			+ .GND1912		A
P	1700116				11C18X,25,10X,			18X,17X		A
P	1700130		R/A70	=	.AX-U					A
P	1700130				11C23					A
P	1700134		C/A70	=	.CL-11C01					A
P	1700134				11C01X					A
P	1700140		NA70-1	=I	.A70					A
P	1700140				07D\$,24X					A
P	1700300		B70	=FF						A
P	1700300				18C33					A
P	1700304		NB70	=NFF						A
P	1700304				18C35					A
P	1700310		S/B70	=**+.B71.BXBL1-U				+ .B0 .BXBL2-U		A
P	1700310				18C\$,25X,36X,			\$,28X,34X		A
P	1700312				+ .FP9 .BXFP/U			+ .B70.GND1918		A
P	1700312				18C\$,30,40X,			\$,10X,38X		A
P	1700330		R/B70	=	.BX-U					A
P	1700330				18C42X					A
P	1700334		C/B70	=	.CL-17C01					A
P	1700334				18C01X					A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC					EQUATIONS					PINS					REMARKS					C/L									
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
	1700500		C70	=B**	.D71	.DX	0L1-U								+ .C70	.GND1	808															A
P	1700500						07D05X	\$.	\$.	30.	34X,				\$.	05X,	40X														A	
	1700502						+ .D69	.DX	DR1-U						+ .S70	.GND1	808														A	
P	1700502						07D\$.	35,	37X,						\$.	17X,	31X														A	
	1701300		D70	=FF																											A	
P	1701300						07D28X																								A	
	1701304		ND70	=NFF																											A	
P	1701304						07D\$.																								A	
	1701310		S/D70	=**	.C70									+ .A70	.DXA-U																A	
P	1701310						07D\$.	\$.	05X,	08X,					\$.	12,	11X														A	
	1701312						+ .S70	.DXS-U							+ .GND	1808.															A	
P	1701312						07D\$.	17X,	03X,						\$.	14X,	10														A	
	1701330		R/D70	=	.DX-U																										A	
P	1701330						07D07X																								A	
	1701334		C/D70	=	.CL-07D09																										A	
P	1701334						07D09X																								A	
	1702500		G70	=B**	.A70	.D70	.GXAD/C							+ .NA70-1	.D70	.GND	1808														A	
P	1702500						07D04	\$.	\$.	24X,	28X,	21X,			\$.	\$.	28X,	22X													A	
	1702502						+ .A70	.ND70	.GXAND/C																						A	
P	1702502						07D\$.	24X,	\$.	25X																					A	
	1702750		K70	=B**	.G71									+ .K71-1	.PR	71															A	
P	1702750						03D20	\$.	\$.	06X,					\$.	08X,	07X														A	
	1705500		PR70	=B**	.A70	.D70	.PRXAD/C							+ .NA70-1	.D70	.PRXNAD/C															A	
P	1705500						07D01X	\$.	\$.	24X,	28X,	29X,			\$.	\$.	28X,	27X													A	
	1705502						+ .A70	.ND70	.PRXAND/C						+ .NA70-1	.ND70	.PRXNAND/C														A	
P	1705502						07D\$.	24X,	\$.	20X,					\$.	\$.	\$.	26X													A	
	1706500		S70	=I	.K70	.PR70																									A	
P	1706500						07D17X	\$.	\$.	38X,	01X,	50X,	17-19B	12T																	A	
	1706502						B**	.K70							+ .PR	70															A	
P	1706502						07D17X	\$.	\$.	38X,	50X,				\$.	01X															A	
	1706504						+ .B70	.SXB-U							+ .C70	.GND	1808														A	
P	1706504						07D\$.	44,	43X,						\$.	05X,	41X														A	
	1706506						+ .FP30	.SXFU																							A	
P	1706506						07D\$.	47,	45X																						A	
	1710100		A71	=FF																											A	
P	1710100						11C14																								A	
	1710104		NA71	=NFF																											A	
P	1710104						11C12																								A	

CODE	LINE NO.	C/D	LOGIC EQUATIONS				PINS	REMARKS	C/L
			1	2	3	4			
P	1711310	S/D71	=*.C71.						A
P	1711310		07D\$. \$.15X, 08X,				+.A71.DXA-U		A
P	1711312		+ .S71.DXS-U				\$.13. 11X		A
P	1711312		07D\$.19X, 03X,				+.C70.GND1808		A
P	1711330	R/D71	= .DX-U						A
P	1711330		07D07X						A
P	1711334	C/D71	= .CL-07D09						A
P	1711334		07D09X						A
P	1712500	G71	=B*+.A71.D71.GXAD/C				+.NA71-1.D71.GND1808		A
P	1712500		07D06\$. \$.18X, 23X, 21X,				\$. \$. 23X, 22X		A
P	1712502		+ .A71.ND71.GXAND/C						A
P	1712502		07D\$.18X, \$. 25X						A
P	1712750	K71	=B*+.G0003				+.G0407.PR0003		A
P	1712750		19D28\$. \$.46,				\$.44X, 43X, 28-04D09T		A
P	1712751		+ .G0811.PR0003.PR0407				+.K15.PR0015		A
P	1712751		19D\$.50X, 43X, 40X,				\$.45, 38		A
P	1712752		+ .G1215.PR0003.PR0407.PR0811						A
P	1712752		19D\$.47X, 43X, 40X, 39X						A
P	1712760	K71-1	=B .K71.						A
P	1712760		10D22, 12, 13, 14, 15, 22-04D10T						A
P	1715500	PR71	=B*+.A71.D71.PRXAD/C				+.NA71-1.D71.PRXNAD/C		A
P	1715500		07D02X\$. \$.18X, 23X, 29X,				\$. \$. 23X, 27X		A
P	1715502		+ .A71.ND71.PRXAND/C				+.NA71-1.ND71.PRXNAND/C		A
P	1715502		07D\$.18X, \$. 20X,				\$. \$. \$. 26X		A
P	1716500	S71	=I .K71-1.PR71.						A
P	1716500		07D19X, 46X, 02X, 50X, 19-19B10T						A
P	1716502		B*+.K71-1.				+.PR71		A
P	1716502		07D19X\$. \$.46X, 50X,				\$.02X		A
P	1716504		+ .B71.SXB-U				+.C71.GND1808		A
P	1716504		07D\$.42, 43X,				\$.15X, 41X		A
P	1716506		+ .FP31.SXFP/U						A
P	1716506		07D\$.33, 45X						A
P	3003000	A2831XB	=B.PHE.MUL.NASN.						A
P	3003000		27A15, 18, 30, 31, 17, 15-26A18C-26B18C-32C25T						A
P	3005000	A4851Z	=-CON*NA48						A
P	3005000		01C21, 21, 21-12B35C-12A35C-08A31T						A
P	3005100		-CON*NA49						A
P	3005100		01C05, 05						A
P	3005200		-CON*NA50						A
P	3005200		01C12, 12						A
P	3005300		-CON*NA51						A
P	3005300		01C34, 34						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS															C/L
I	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70			
	3207000		AX-U	=I .NAX.													A	
P	3207000			15C47,50X,31,47-05C46T													A	
	3208000			I .NAX.													A	
P	3208000			15C27,22,29X													A	
	3300050		AXFP-4	=I .NAXFP													A	
P	3300050			14C10X,01													A	
	3300150		AXFP-5	=I .NAXFP													A	
P	3300150			19C10X,01													A	
	3300250		AXFP-6	=I .NAXFP													A	
P	3300250			23C10X,01													A	
	3300350		AXFP-7	=I .NAXFP													A	
P	3300350			28C10X,01													A	
	3300400		NAXFP	=I .PH3.N02													A	
P	3300400			28A02,03,09,02-26A01C-26B01C-05C40T													A	
	3300700		NAXL	=I .(PH2.A0)													A	
P	3300700			14C40,50													A	
	3300710			-CON*NPH3													A	
P	3300710			26C07,07													A	
	3300750		AXS-1	=I .NAXS													A	
P	3300750			02C37X,46													A	
	3300800		AXS-2	=I .NAXS													A	
P	3300800			04C37X,46													A	
	3300900		AXS-3	=I .NAXS													A	
P	3300900			09C37X,46													A	
	3301050		AXS-4	=I .NAXS													A	
P	3301050			14C37X,46													A	
	3301150		AXS-5	=I .NAXS													A	
P	3301150			19C37X,46													A	
	3301250		AXS-6	=I .NAXS													A	
P	3301250			23C37X,46													A	
	3301340		AXS-7	=I .NAXS													A	
P	3301340			28C37X,46													A	

CODE	LINE NO.	CHK	LOGIC		EQUATIONS		PINS		REMARKS		C/L	
			10	20	30	40	50	60	70	80		
P	3301700		NAXS	=I*+.	(PH6.06.ASN.DSN)..							A
	3301700			17A30,	\$.46,31,29X,	30-12A42C-	12B42C-	32C23T				A
P	3301710				+.(PH7.N06).NAXSL4/1.NAXSR4/1							A
P	3301710			17A\$,	45,42,33X							A
	3301720				+ .PH7.N(S/PH7) .MUL.			+ .FPRR.DIV.				A
P	3301720			17A\$,	41,44,43,40X,			\$,47,50,29X				A
	3301730				I .PH1.							A
P	3301730			13A28,	21,29X							A
P	3302100		AXSL1-1	=I	.NAXSL1							A
	3302100			02C\$,	47							A
P	3302200		AXSL1-2	=I	.NAXSL1							A
	3302200			04C\$,	47							A
P	3302300		AXSL1-3	=I	.NAXSL1							A
	3302300			09C\$,	47							A
P	3302400		AXSL1-4	=I	.NAXSL1							A
	3302400			14C\$,	47							A
P	3302500		AXSL1-5	=I	.NAXSL1							A
	3302500			19C\$,	47							A
P	3302600		AXSL1-6	=I	.NAXSL1							A
	3302600			23C\$,	47							A
P	3302700		AXSL1-7	=I	.NAXSL1							A
	3302700			28C\$,	47							A
P	3302800		NAXSL1	=B.NDIT/1.								A
	3302800			30A19,	03,20X,19-26A26C-	26B26C-	05C47T					A
P	3303100		AXSL4-1	=I	.NAXSL4							A
	3303100			02C10X,	01							A
P	3303200		AXSL4-2	=I	.NAXSL4							A
	3303200			04C\$,	12							A
P	3303300		AXSL4-3	=I	.NAXSL4							A
	3303300			09C\$,	12							A
P	3303400		AXSL4-4	=I	.NAXSL4							A
	3303400			14C\$,	12							A
P	3303500		AXSL4-A	=I.NAXSL4.								A
	3303500			13B35,	39,33X,35-32C15T							A
P	3303600			I.NAXSL4.								A
	3303600			13B34,	40,33X							A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
	1 2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30	31 32 33 34 35 36 37 38 39 40	41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60
P	3501000		BXBL1-L = I.NBXBL1.				A
	3501000		15C35,33X,39,35-32C12T				A
P	3501100		I.NBXBL1.				A
	3501100		15C34,33X,40				A
P	3501200		I.NBXBL1				A
	3501200		15C11,12				A
P	3501300		BXBL1-U = I.NBXBL1.				A
	3501300		15C36,33X,37,36-32C36T				A
P	3501400		I.NBXBL1.				A
	3501400		15C41,33X,38				A
P	3501500		NBXBL1 = B*+.NDIT/1.NAXSL4/1.			+ .NDIT/1.06.	A
	3501500		18A04,\$,\$,06,05,07X,\$,13,14,12X,04-			22A12C-22B12C-05C42T	A
P	3502000		BXBL2-L = I.NBXBL2.				A
	3502000		15C26,24,29X,26-32C10T				A
P	3502100		I.NBXBL2.				A
	3502100		15C25,23,29X				A
P	3502200		I.NBXBL2				A
	3502200		15C10,09				A
P	3502300		BXBL2-U = I.NBXBL2.				A
	3502300		30B18,04,20X,18-32C34T				A
P	3502400		I.NBXBL2.				A
	3502400		30B19,03,20X				A
P	3502500		NBXBL2 = B.NMIT				A
	3502500		30A11,12,11-26A23C-26B23C-05C41T				A
P	3503000		BXFP/L = I.NBXFP.				A
	3503000		13B27,29X,22,27-32C13T				A
P	3503100		I.NBXFP.				A
	3503100		13B28,29X,21				A
P	3503200		I.NBXFP				A
	3503200		13B15,13				A
P	3503300		BXFP/U = I.NBXFP.NBXFPU				A
	3503300		13B26,29X,24,26-32C24T				A
P	3503400		I.NBXFP.NBXFPU				A
	3503400		13B25,29X,23				A
P	3503500		NBXFP = I.PH3.MUL.N02.				A
	3503500		28A34,24,23,22,28, 34-22A13C-22B13C-14B27T				A
P	3503600		NBXFPU = I.PH1.MUL				A
	3503600		28A46,40,41,46-22A22C-22B22C-14B23T				A

CODE	LINE NO.	CHG	LOGIC EQUATIONS / PINS / REMARKS														C/L			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14		10	20	30	40	50	60	70
P	3800000		N(S/CC1/FP)=I.PH9.FEUF														A			
P	3800000		28A13,04,08,13-32B35C-26A33C-26B33C														A			
P	3800100		I.PH9.B65.N06														A			
P	3800100		28A12,06,05,07														A			
P	3801000		N(S/CC2/FP)=I*+.PH9.FEOF														A			
P	3801000		31A20,\$,\$,23,24														A			
P	3801100		+.PH9.FEUF														A			
P	3801100		31A\$,21,22,														A			
P	3801100		\$.02,01														A			
P	3850100		CL-09A01 =-NS														A			
P	3850100		09A01,01-08A01T-02T-03T														A			
P	3850200		CL-05B09 =-NS														A			
P	3850200		05B09														A			
P	3850300		CL-31B01 =-NS														A			
P	3850300		31B01														A			
P	3850400		CL-03C01 =-NS														A			
P	3850400		03C01														A			
P	3850500		CL-06C01 =-NS														A			
P	3850500		06C01,01-05C01T-02T														A			
P	3850600		CL-08C01 =-NS														A			
P	3850600		08C01														A			
P	3850700		CL-11C01 =-NS														A			
P	3850700		11C01														A			
P	3850800		CL-17C01 =-NS														A			
P	3850800		17C01														A			
P	3850900		CL-20C01 =-NS														A			
P	3850900		20C01														A			
P	3851000		CL-25C01 =-NS														A			
P	3851000		25C01														A			
P	3851100		CL-27C01 =-NS														A			
P	3851100		27C01														A			
P	3851200		CL-07D09 =-NS														A			
P	3851200		07D09														A			
P	3851300		CL-18D09 =-NS														A			
P	3851300		18D09														A			
P	3851400		CL-31D09 =-NS														A			
P	3851400		31D09														A			

CODE	LINE NO.	CHG	LOGIC	EQUATIONS	PINS	REMARKS	C/L
	1 2 3 4 5 6 7 8 9		10 1 2 3 4 5 6 7 8 9 20	2 3 4 5 6 7 8 9 30	2 3 4 5 6 7 8 9 40	50 2 3 4 5 6 7 8 9 60	70
	P 3992100		DXS/L	=I.NDXS.NPH4			A
	P 3992100			23B36,33X,37,38-12D03T			A
	P 3992200			I.NDXS.NPH4			A
	P 3992200			23B41,33X,38			A
	P 3992300			I.NDXS.NPH4			A
	P 3992300			23B35,33X,39			A
	P 3992400		DXS-U	=I.NDXS.			A
	P 3992400			23B34,33X,40,34-04D02T			A
	P 3992500			I.NDXS			A
	P 3992500			23B11,12			A
	P 3992600		NDXS	=B.NPH2.N(PH6.N06)			A
	P 3992600			27A45,39,42,45-26A15C-26B15C-19B33T			A
	P 4000000		E0	=FF			A
	P 4000000			08C33,33-12A20C-12B20C-20A05T			A
	P 4000100		NE0	=NFF			A
	P 4000100			08C40,40-12A02C-12B02C-20A23T			A
	P 4000200		S/E0	=++.S0.PH3		+.NF1.EXFM64	A
	P 4000200			08C36X,36X,37,18X,		36X,46,34X	A
	P 4000300			+.F1.EXNFM64		+.NE0.EXNE	A
	P 4000300			08C36X,39,15X,		36X,44,35X	A
	P 4000400			+.NE3.NE2.NE1.NE0.EDC3			A
	P 4000400			08C36X,28X,27X,26X,40X,04X			A
	P 4000500			+.E3.E2.E1.NE0.EUC3			A
	P 4000500			08C36X,45X,47X,25X,40X,43X			A
	P 4000600		R/E0	=++.EX		+.NE3.NE2.NE1.EDC3	A
	P 4000600			08C30X,30X,29X,		30X,28X,27X,26X,04X	A
	P 4000700			+.E3.E2.E1.EUC3			A
	P 4000700			08C30X,45X,47X,25X,43X			A
	P 4000800		C/E0	=CL-08C01			A
	P 4000800			08C01X			A
	P 4000900		E0003Z	=B.NE0.NE1.NE2.NE3			A
	P 4000900			15A08,11,12,13,14			A
	P 4000950		E0407Z	=B.NE4.NE5.NE6.NE7			A
	P 4000950			08B22,12,13,14,15,22-12A11C-12B11C-32A43T			A
	P 4001000		E1	=FF			A
	P 4001000			08C25,25-12A10C-12B10C-20A04T			A
	P 4001100		NE1	=NFF			A
	P 4001100			08C26,26-12A08C-12B08C-20A06T			A

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS																												C/L
			1 2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19	20	21 22 23 24 25 26 27 28 29	30	31 32 33 34 35 36 37 38 39	40	41 42 43 44 45 46 47 48 49	50	51 52 53 54 55 56 57 58 59	60	61 62 63 64 65 66 67 68 69	70															
P	4001200	S/E1	=*.S1.PH3																												A
	P 4001200		08C31X,31X,50,18X, 31X,42, 34X																												A
	P 4001300		+.F1 .EXNFM64																												A
P	4001300		08C31X,38,15X, 31X,41, 35X																												A
	P 4001400		+.NE3 .NE2 .NE1.EDC3 +.E3 .E2 .NE1.EUC3																												A
P	4001400		08C31X,28X,27X,26X,04X,31X,45X,47X,26X,23X																												A
	P 4001500	R/E1	=*.EX																												A
P	4001500		08C24X,24X,29X, 24X,45X,47X,23X																												A
	P 4001600		+.NE3 .NE2 .EDC3																												A
P	4001600		08C24X,28X,27X,04X																												A
	P 4001700	C/E1	=.CL-08C01																												A
P	4001700		08C01X																												A
	P 4002000	E2	=FF																												A
P	4002000		08C19,19-22A43C-22B43C-20A45T																												A
	P 4002100	NE2	=NFF																												A
P	4002100		08C21,21-12A07C-12B07C-20A44T																												A
	P 4002200	S/E2	=*.S2.PH3																												A
P	4002200		08C20X,20X,06,18X, 20X,08, 34X																												A
	P 4002300		+.NF2.EXNFM64																												A
P	4002300		08C20X,13,15X, 20X,09, 35X																												A
	P 4002400		+.NE3 .NE2 .EDC3. +.E3 .NE2.EUC3.																												A
P	4002400		08C20X,22X,21X,04X,02X,20X,05X,21X,23X,02X																												A
	P 4002500	R/E2	=*.EX																												A
P	4002500		08C17X,17X,29X, 17X,05X,23X, 02X																												A
	P 4002600		+.NE3 .EDC3.																												A
P	4002600		08C17X,22X,04X,02X																												A
	P 4002700	C/E2	=.CL-08C01																												A
P	4002700		08C01X																												A
	P 4003000	E3	=FF																												A
P	4003000		08C05																												A
	P 4003100	NE3	=NFF																												A
P	4003100		08C22,22-12A06C-12B06C-20A13T																												A
	P 4003200	S/E3	=*.S3.PH3																												A
P	4003200		08C12X,12X,07,18X, 12X,14, 34X																												A
	P 4003300		+.NF3.EXNFM64																												A
P	4003300		08C12X,11,15X, 12X,10, 35X																												A
	P 4003400		+.NE3 .EDC3. +.NE3.EUC3.																												A
P	4003400		08C12X,22X,04X,02X, 12X,22X, 23X,02X																												A

CODE	LINE NO.	CHG	LOGIC EQUATIONS												PINS												REMARKS	C/L																								
			1	2	3	4	5	6	7	8	9	10	11	12	20	23	45	67	89	30	32	34	35	36	37	38			39	40	42	43	44	45	46	47	48	49	50	52	53	54	55	56	57	58	59	60	62	63	64	65
P	4300200		S/F0	=**NA0.FXNA 07C36X,36X,37,18X,												+.D0.FXD 36X,46,34X													A																							
P	4300300			+.GND1909.DPP 07C36X,39,15X,												+.GND1909 36X,44,35X													A																							
P	4300400			+.NF3 .NF2 .NF1.NF0.FDC3 07C36X,28X,27X,26X,40X,04X																									A																							
P	4300500			+. .NF0.GND1909 07C36X,45X,47X,25X,40X,43X																									A																							
P	4300600		R/F0	=**.FX 07C30X,30X,29X,												+.NF3.NF2.NF1.FDC3 30X,28X,27X,26X,04X													A																							
P	4300700			+. .NF0.GND1909 07C30X,45X,47X,25X,43X																									A																							
P	4300800		C/F0	=.CL-08C01 07C01X																									A																							
P	4301000		F1	=FF 07C25,25-20D17T																									A																							
P	4301100		NF1	=NFF 07C26,26-20D18T																									A																							
P	4301200		S/F1	=**.NA1.FXNA 07C31X,31X,50,18X,												+.D1.FXD 31X,42,34X													A																							
P	4301300			+.GND1909.DPP 07C31X,38,15X,												+.GND1909 31X,41,35X													A																							
P	4301400			+.NF3 .NF2 .NF1.FDC3 07C31X,28X,27X,26X,04X,31X,45X,47X,26X,23X												+. .NF1.GND1909													A																							
P	4301500		R/F1	=**.FX 07C24X,24X,29X,												+. .GND1909 24X,45X,47X,23X													A																							
P	4301600			+.NF3 .NF2 .FDC3 07C24X,28X,27X,04X																									A																							
P	4301700		C/F1	=.CL-08C01 07C01X																									A																							
P	4302000		F2	=FF 07C19																									A																							
P	4302100		NF2	=NFF 07C21																									A																							
P	4302200		S/F2	=**.NA2.FXNA 07C20X,20X,06,18X,												+.D2.FXD 20X,08,34X													A																							
P	4302300			+.NF2.DPP 07C20X,13,15X,												+.GND1909 20X,09,35X													A																							
P	4302400			+.NF3 .NF2 .FDC3 07C20X,22X,21X,04X,02X,20X,05X,21X,23X,02X												+.F3 .NF2.GND1909													A																							

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	PINS	REMARKS	C/L			
	1 2345678	9	10 123456789	20 23456789	30 23456789	40 23456789	50 23456789	60 23456789	70	
P	4302500	R/F2	=++.FX							A
P	4302500		07C17X,17X,29X,							A
P	4302600		+.NF3 .FDC3.							A
P	4302600		07C17X,22X,04X,02X							A
P	4302700	C/F2	= .CL-08C01							A
P	4302700		07C01X							A
P	4303000	F3	=FF							A
P	4303000		07C05							A
P	4303100	NF3	=NFF							A
P	4303100		07C22							A
P	4303200	S/F3	=++.NA3.FXNA							A
P	4303200		07C12X,12X,07,18X,							A
P	4303300		+.DPP							A
P	4303300		07C12X,11,15X,							A
P	4303400		+.NF3 .FDC3.							A
P	4303400		07C12X,22X,04X,02X,							A
P	4303500	R/F3	=++.FX							A
P	4303500		07C03X,03X,29X,							A
P	4303600		+.FDC3							A
P	4303600		07C03X,04X,02X							A
P	4303700	C/F3	= .CL-08C01							A
P	4303700		07C01X							A
P	4304000	F4	=FF							A
P	4304000		12C33							A
P	4304100	NF4	=NFF							A
P	4304100		12C40							A
P	4304200	S/F4	=++.NA4.FXNA							A
P	4304200		12C36X,36X,37,18X,							A
P	4304300		+.GND1913.DPP							A
P	4304300		12C36X,39,15X,							A
P	4304400		+.NF7 .NF6 .NF5.NF4.FDC7							A
P	4304400		12C36X,28X,27X,26X,40X,04X							A
P	4304500		+.F5 .NF4.GND1913							A
P	4304500		12C36X,45X,47X,25X,40X,43X							A
P	4304600	R/F4	=++.FX							A
P	4304600		12C30X,30X,29X,							A
P	4304700		+.F5.GND1913							A
P	4304700		12C30X,45X,47X,25X,43X							A
P	4304800	C/F4	= .CL-08C01							A
P	4304800		12C01X							A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	/	PINS	/	REMARKS	C/L
1	2345678	9 10	10123456789	20123456789	30123456789	40123456789	50123456789	60123456789	70
P	4400000		NFPX	=I.FPX.					A
P	4400000			20B34,40,33X,34-14B31T					A
P	4400100			I.FPX.					A
P	4400100			20B26,24,29X					A
P	4400200			I.FPX.					A
P	4400200			20B25,23,29X					A
P	4400300		FPXMISC	=I.NFPXMISC.					A
P	4400300			20B27,22,29X,27-14B29T					A
P	4400400			I.NFPXMISC.					A
P	4400400			20B28,21,29X					A
P	4400500			I.NFPXMISC.					A
P	4400500			20B18,04,20X					A
P	4400550		NFPXMISC	=I.FPDIS.KFPXMISC					A
P	4400550			28A45,42,39,45-22A04C-22B04C-14B15T					A
P	4400600		FPXSL	=I.NFPXSL.					A
P	4400600			20B19,03,20X,19-14B30T					A
P	4400700			I.NFPXSL.					A
P	4400700			20B05,02,20X					A
P	4400800			I.NFPXSL.					A
P	4400800			20B17,01,20X					A
P	4400850		NFPXSL	=I*+.FPDIS.KFPXSL					A
P	4400850			31A19,\$,\$,06X,15,19-22A01C-22B01C-14B05T					A
P	4400850			+NFPDIS.PH9.FPRD.NRTZ.N(FEUF.NFZ)					A
P	4400860			31A\$,17,12,13,18,14X					A
P	4400900		FPXSU	=I.NFPXSU					A
P	4400900			20B15,13,15-14B28T					A
P	4401000			I.NFPXSU					A
P	4401000			20B11,12					A
P	4401100			I.NFPXSU					A
P	4401100			20B10,09					A
P	4401200		NFPXSU	=I*+.FPDIS.KFPXSU					A
P	4401200			31A04,\$,\$,06X,07,04-22A09C-22B09C-14B06T					A
P	4401300			+NFPDIS.PH10.NRTZ.N(FEUF.NFZ).					A
P	4401300			31A\$,09,11,08,14X,10					A
P	4450000		FS	=NS					A
P	4450000			32B37,37-26A37C-26B37C-08A11T					A
P	4490000		FX	=B*+.PH1.				+GND1805...	A
P	4490000			03D24,\$,\$,30,31,				\$.37,36,35,34X	A
P	4490100			+FXD..					A
P	4490100			03D\$,29,33,34X					A
P	4491000		FXD	=B.PH4.ALR					A
P	4491000			15A17,21,20,17-12A40C-12B40C					A

CODE	LINE NO.	CHG	LOGIC EQUATIONS	PINS	REMARKS	C/L
1	2 3 4 5 6 7 8 9	10	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70			
P	4496000		FXNA =B.PH2.N06			A
P	4496000		30A41,38,33X,41-26A46C-26846C-05C27T			A
P	4498000		NFZ =-NS			A
P	4498000		32B38,38-26A38C-26B38C-08A13T			A
P	4500100		G0003 =B*+.G0			A
P	4500100		10D28,\$,\$,46,28-20D47T			A
P	4500101		+ .G1.PR0		+ .G2.PR0.PR1	A
P	4500101		10D\$,44X,43X,		\$.50X,43X,40X	A
P	4500102		+ .G3.PR0.PR1.PR2		+ .K31.(PH10.NFPRD)	A
P	4500102		10D\$,47X,43X,40X,39X,		\$.38,45	A
P	4500150		G0407 =B*+.G4			A
P	4500150		10D17,\$,\$,02,17-20D44T			A
P	4500151		+ .G5.PR4		+ .G6.PR4.PR5	A
P	4500151		10D\$,04X,05X,		\$.01X,05X,10X	A
P	4500152		+ .G7.PR4.PR5.PR6		+ .GND1811.	A
P	4500152		10D\$,06X,05X,10X,09X,		\$.11,03	A
P	4500200		G0811 =B*+.G8			A
P	4500200		16D28,\$,\$,46,28-20D50T			A
P	4500201		+ .G9.PR8		+ .G10.PR8.PR9	A
P	4500201		16D\$,44X,43X,		\$.50X,43X,40X	A
P	4500202		+ .G11.PR8.PR9.PR10		+ .GND1817.	A
P	4500202		16D\$,47X,43X,40X,39X,		\$.38,45	A
P	4500250		G1215 =B*+.G12			A
P	4500250		16D17,\$,\$,02,17-20D46T			A
P	4500251		+ .G13.PR12		+ .G14.PR12.PR13	A
P	4500252		+ .G15.PR12.PR13.PR14		+ .GND1817.	A
P	4500252		16D\$,06X,05X,10X,09X,		\$.11,03	A
P	4500300		G1619 =B*+.G16			A
P	4500300		23D28,\$,\$,46,28-20D02T			A
P	4500301		+ .G17.PR16		+ .G18.PR16.PR17	A
P	4500301		23D\$,44X,43X,		\$.50X,43X,40X	A
P	4500302		+ .G19.PR16.PR17.PR18		+ .GND1823.	A
P	4500302		23D\$,47X,43X,40X,39X,		\$.38,45	A
P	4500350		G2023 =B*+.G20			A
P	4500350		23D17,\$,\$,02,17-20D05T			A
P	4500351		+ .G21.PR20		+ .G22.PR20.PR21	A
P	4500351		23D\$,04X,05X,		\$.01X,05X,10X	A
P	4500352		+ .G23.PR20.PR21.PR22		+ .GND1823.	A
P	4500352		23D\$,06X,05X,10X,09X,		\$.11,03	A

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	PINS	REMARKS	C/L			
	1 2 3 4 5 6 7 8 9	10	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70	
P	4601829		GND1829	==NS						A
P	4601829			29D16						A
P	4601830		GND1830	==NS						A
P	4601830			30D16						A
P	4601831		GND1831	==NS						A
P	4601831			31D16						A
P	4601832		GND1832	==NS						A
P	4601832			32D00,00-05-09-11-13-15-16-20-23-25-27						A
P	4601833			-NS						A
P	4601833			32D02,02-29-31-32-35-37-39-41-44-46-48						A
P	4601901		GND1901	==NS						A
P	4601901			01C16						A
P	4601902		GND1902	==NS						A
P	4601902			02C16						A
P	4601903		GND1903	==NS						A
P	4601903			03C16						A
P	4601907		GND1907	==NS						A
P	4601907			06C16						A
P	4601909		GND1909	==NS						A
P	4601909			07C16						A
P	4601912		GND1912	==NS						A
P	4601912			11C16						A
P	4601913		GND1913	==NS						A
P	4601913			12C16						A
P	4601916		GND1916	==NS						A
P	4601916			17C16						A
P	4601917		GND1917	==NS						A
P	4601917			16C16						A
P	4601918		GND1918	==NS						A
P	4601918			18C16						A
P	4601920		GND1920	==NS						A
P	4601920			20C16						A
P	4601921		GND1921	==NS						A
P	4601921			21C16						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L
1	2345678	9	10	123456789	20	23456789	30	23456789	40	23456789	50	23456789	60	23456789	70									
P	5980100		NMWN	=NFF																A				
P	5980100			11C07,07-12A03C-12B03C																A				
P	5980200		S/MWN	=*+.FPCON.PH1									+ .GND1912							A				
P	5980200			11C\$, \$.10X,08,									\$, 19							A				
P	5980300		R/MWN	= .PH1																A				
P	5980300			11C09																A				
P	5980400		C/MWN	= .CL-11C01																A				
P	5980400			11C01X																A				
P	6502100		N02	=-NS																A				
P	6502100			32B41,41-26A41C-26B41C-20A43T																A				
P	6506000		06	=I.N06																A				
P	6506000			28C40,50,40-26A21C-26B21C-08A21T																A				
P	6506100		N06	=-NS																A				
P	6506100			32B42,42-26A43C-26B43C-08A15T																A				
P	6507000		07	=I.N07.																A				
P	6507000			23B17,01,20X,17-22A35C-22B35C-08A06T																A				
P	6507100		N07	=-NS																A				
P	6507100			32B43,43-22A39C-22B39C-08A18T																A				
P	6850100		PH1	=FF																A				
P	6850100			03C06,06-12A21C-12B21C																A				
P	6850102		NPH1	=NFF																A				
P	6850102			03C07,07-12A18C-12B18C																A				
P	6850104		S/PH1	=*+.FPCON.NPH1									+ .GND1903							A				
P	6850104			03C\$, \$.10X,08,									\$, 19							A				
P	6850106		R/PH1	=																A				
P	6850106			03C09																A				
P	6850108		C/PH1	= .CL-03C01																A				
P	6850108			03C01X																A				
P	6850200		PH2	=FF																A				
P	6850200			21C06,06-26A08C-26B08C-08A05T																A				
P	6850202		NPH2	=NFF																A				
P	6850202			21C07,07-22A30C-22B30C																A				
P	6850204		S/PH2	=*+.PH1									+ .GND1921.	AXSL4-A						A				
P	6850204			21C\$, \$.19,									\$, 08,	10X						A				

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	6851060		(PH10.NFPRD)=B.PH10																						A																									
P	6851060		30A15,13,15-22A18C-22B18C-12D45T																						A																									
P	6851062		I.FPRD.																						A																									
P	6851062		21A18,04,20X																						A																									
P	6900100		PR0003 =B.PR0.PR1.PR2.PR3																						A																									
P	6900100		10D23,43X,40X,39X,41X,23-20D42T																						A																									
P	6900120		PR0015 =B.PR0003.PR0407.PR0811.PR1215																						A																									
P	6900120		19D23,43X,40X,39X,41X,23-20D39T																						A																									
P	6900140		PR0407 =B.PR4.PR5.PR6.PR7																						A																									
P	6900140		10D21,05X,10X,09X,07X,21-20D41T																						A																									
P	6900160		PR0811 =B.PR8.PR9.PR10.PR11																						A																									
P	6900160		16D23,43X,40X,39X,41X,23-20D38T																						A																									
P	6900180		PR1215 =B.PR12.PR13.PR14.PR15																						A																									
P	6900180		16D21,05X,10X,09X,07X,21-20D40T																						A																									
P	6900200		PR1619 =B.PR16.PR17.PR18.PR19																						A																									
P	6900200		23D23,43X,40X,39X,41X,23-20D04T																						A																									
P	6900210		PR1631 =B.PR16.PR17.PR18.PR19																						A																									
P	6900210		16D22,12,13,14,15,22-20D10T																						A																									
P	6900212		B.PR20.PR21.PR22.PR23																						A																									
P	6900212		19D22,12,13,14,15																						A																									
P	6900214		B.PR24.PR25.PR26.PR27																						A																									
P	6900214		23D22,12,13,14,15																						A																									
P	6900216		B.PR28.PR29.PR30.PR31																						A																									
P	6900216		29D22,12,13,14,15																						A																									
P	6900220		PR1631-1 =B.PR1619.PR2023.PR2427.PR2831																						A																									
P	6900220		19D21,05X,10X,09X,07X																						A																									
P	6900240		PR2023 =B.PR20.PR21.PR22.PR23																						A																									
P	6900240		23D21,05X,10X,09X,07X,21-20D11T																						A																									
P	6900260		PR2427 =B.PR24.PR25.PR26.PR27																						A																									
P	6900260		29D23,43X,40X,39X,41X,23-20D08T																						A																									
P	6900280		PR2831 =B.PR28.PR29.PR30.PR31																						A																									
P	6900280		29D21,05X,10X,09X,07X,21-20D06T																						A																									
P	6900300		PR4771 =B.PR47.PR4851.PR5255.PR5671																						A																									
P	6900300		05D23,43X,40X,39X,41X,23-04D39T																						A																									
P	6900320		PR4851 =B.PR48.PR49.PR50.PR51																						A																									
P	6900320		08B23,43X,40X,39X,41X,23-04D41T																						A																									

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHK	LOGIC	EQUATIONS	PINS	REMARKS	C/L			
1	2 3 4 5 6 7 8 9	10	10 1 2 3 4 5 6 7 8 9	20 1 2 3 4 5 6 7 8 9	30 1 2 3 4 5 6 7 8 9	40 1 2 3 4 5 6 7 8 9	50 1 2 3 4 5 6 7 8 9	60 1 2 3 4 5 6 7 8 9	70	
P	6900340		PR5255	=B .PR52.PR53.PR54.PR55						A
	6900340			08B21,05X,10X,09X,07X,21-04						A
P	6900360		PR5659	=B .PR56.PR57.PR58.PR59						A
	6900360			03B23,43X,40X,39X,41X,23-04						A
P	6900380		PR5671	=B .PR5659.PR6063.PR6467.PR6871						A
	6900380			05D21,05X,10X,09X,07X,21-04						A
P	6900400		PR6063	=B .PR60.PR61.PR62.PR63						A
	6900400			03B21,05X,10X,09X,07X,21-04						A
P	6900420		PR6467	=B .PR64.PR65.PR66.PR67						A
	6900420			03D23,43X,40X,39X,41X,23-04						A
P	6900440		PR6871	=B .PR68.PR69.PR70.PR71						A
	6900440			03D21,05X,10X,09X,07X,21-04						A
P	6910000		NPRXAD	=FF						A
	6910000			31B14,14-32C04T						A
P	6910010		PRAXD	=NFF						A
	6910010			31B12						A
P	6910020		S/NPRXAD	++.N(S/SXAMD).N(S/SXA+S/SXD)						A
	6910020			31B11X,11X,10X,13,+.GND1731						A
P	6910030		R/NPRXAD	=						A
	6910030			31B15						A
P	6910040		C/NPRXAD	= .CL-31B01						A
	6910040			31B01X						A
P	6910150		PRXAD/7	=I.NSDIS .NPRXAD						A
	6910150			29B34,33X,40,34-32C47T						A
P	6910170			B.N(SDIS.NKSXA.NKSXD).						A
	6910170			28B34,33X,40						A
P	6910420		PRXAD/A	=B.PRAXD/7.						A
	6910420			28B46,30,50X,46-05C11T						A
P	6910440		PRXAD/B	=I.NSDIS-1.NPRXAD						A
	6910440			29B18,04,20X,18-04D19T						A
P	6910460			B.N(SDIS.NKSXA.NKSXD).						A
	6910460			28B47,31,50X						A
P	6910520		PRXAD/C	=I.NSDIS-1.NPRXAD						A
	6910520			29B19,03,20X,19-04D30T						A
P	6910540			B.N(SDIS.NKSXA.NKSXD).						A
	6910540			28B36,33X,37						A

CODE	LINE NO.	CHG	LOGIC EQUATIONS							PINS							REMARKS	C/L						
			1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	16	17	18	19	20	21	22	23	24	25
P	6910560		PRXAD/D = I.NSDIS-1.NPRXAD															A						
	6910560		29B05,02,20X,05-12D28T															A						
P	6910580		B.N(SDIS.NKSXA.NKSXD).															A						
	6910580		28B41,33X,38															A						
P	6910620		PRXAD/E = I.NSDIS-1.NPRXAD															A						
	6910620		29B17,01,20X,17-20D29T															A						
P	6910640		B.N(SDIS.NKSXA.NKSXD).															A						
	6910640		28B35,33X,39															A						
P	6910720		NPRXAND = FF															A						
	6910720		31B33,33-32C05T															A						
P	6910730		PRXAND = NFF															A						
	6910730		31B34															A						
P	6910740		S/NPRXAND = *.N(S/SXAPD).N(S/SXA+S/SXMD) +.GND1731															A						
	6910740		31B39X,39X,36X, 35, \$, 37X															A						
P	6910750		R/NPRXAND =															A						
	6910750		31B38															A						
P	6910760		C/NPRXAND = .CL-31B01															A						
	6910760		31B01X															A						
P	6910820		PRXAND/7 = I.NSDIS.NPRXAND															A						
	6910820		29B45,43,50X,45-32C41T															A						
P	6910840		I.(SDIS.NKSXA).															A						
	6910840		30B45,50X,43															A						
P	6910920		PRXAND/A = B.PRXAND/7.															A						
	6910920		28B45,43,50X,45-05C06T															A						
P	6910940		PRXAND/B = I.NSDIS-1.NPRXAND															A						
	6910940		29B44,42,50X,44-04D13T															A						
P	6910960		I.(SDIS.NKSXA).															A						
	6910960		30B44,50X,42															A						
P	6911020		PRXAND/C = I.NSDIS-1.NPRXAND															A						
	6911020		29B46,30,50X,46-04D20T															A						
P	6911040		I.(SDIS.NKSXA).															A						
	6911040		30B46,50X,30															A						
P	6911060		PRXAND/D = I.NSDIS-1.NPRXAND															A						
	6911060		29B47,31,50X,47-12D21T															A						
P	6911080		I.SDIS .NKSXA															A						
	6911080		30B41,33X,38															A						

CODE	LINE NO.	CHK	LOGIC EQUATIONS / PINS / REMARKS																														C/L																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	7480000		N(S/RW/FP)=I.PH9.NTRAP.FPRD																																																																		
P	7480000		28A33,26,27,25,33-32B44C-26A44C-26B44C																														A																																				
	7480100		I.PH10.NTRAP																																																																		
P	7480100		28A01,11,10																														A																																				
	7503000		NS0031XFP=I.PH4.NO2.NFPDIS																																																																		
P	7503000		13A06,14,08,07,06-12A31C-12B31C-14B37T																														A																																				
	7504000		NS4607XFP=B*+.NPH1.NPH2																																																																		
P	7504000		29D24,\$,\$,31,30																														A																																				
	7504100		+.FPDIS.																																																																		
P	7504100		29D\$,29,33,34X, .GND1829... \$,35,36,37,34X																														A																																				
	7520000		SDIS =B.FPDIS																																																																		
P	7520000		28B10,09 ,10-19B29T																														A																																				
	7520100		I.NKSXA.NKSXB.NKSXD																																																																		
P	7520100		30B06,14,07,08																														A																																				
	7520220		NSDIS =I.SDIS																																																																		
P	7520220		29B11,12 ,11-19B28T																														A																																				
	7520240		I.SDIS																																																																		
P	7520240		29B10,09																														A																																				
	7520320		NSDIS-1 =B.NSDIS.																																																																		
P	7520320		27B28,29X,21,28-19B05T																														A																																				
	7520400		(SDIS.NKSXA)=I.NSDIS																																																																		
P	7520400		29B35,33X,39,35-32C07T																														A																																				
	7520440		B.NKSXA																																																																		
P	7520440		28B11,12																														A																																				
	7520500		N(SDIS.NKSXA.NKSXD)=I.(SDIS.NKSXA).NKSXD																																																																		
P	7520500		30B47,50X,31,47-19B31T																														A																																				
	7590000		SW0 =FF , SEE EQUATION (SW0.K46)																																																																		
P	7590000		18C21																														A																																				
	7590100		NSW0 =NFF																																																																		
P	7590100		18C27,27-22A03C-22B03C-20A38T																														A																																				
	7590200		S/SW0 =*+.NSW0.BXB12-L +.NO2.BXB11-L																																																																		
P	7590200		18C\$, \$,20,11X, \$,18, 13X																														A																																				
	7590300		+.B0.BXFP/L +.B31.GND1918																																																																		
P	7590300		18C\$,28X,12X, \$.17X, 14X																														A																																				
	7590400		R/SW0 = .BX-L																																																																		
P	7590400		18C09X																														A																																				
	7590500		C/SW0 = .CL-17C01																																																																		
P	7590500		18C01X																														A																																				

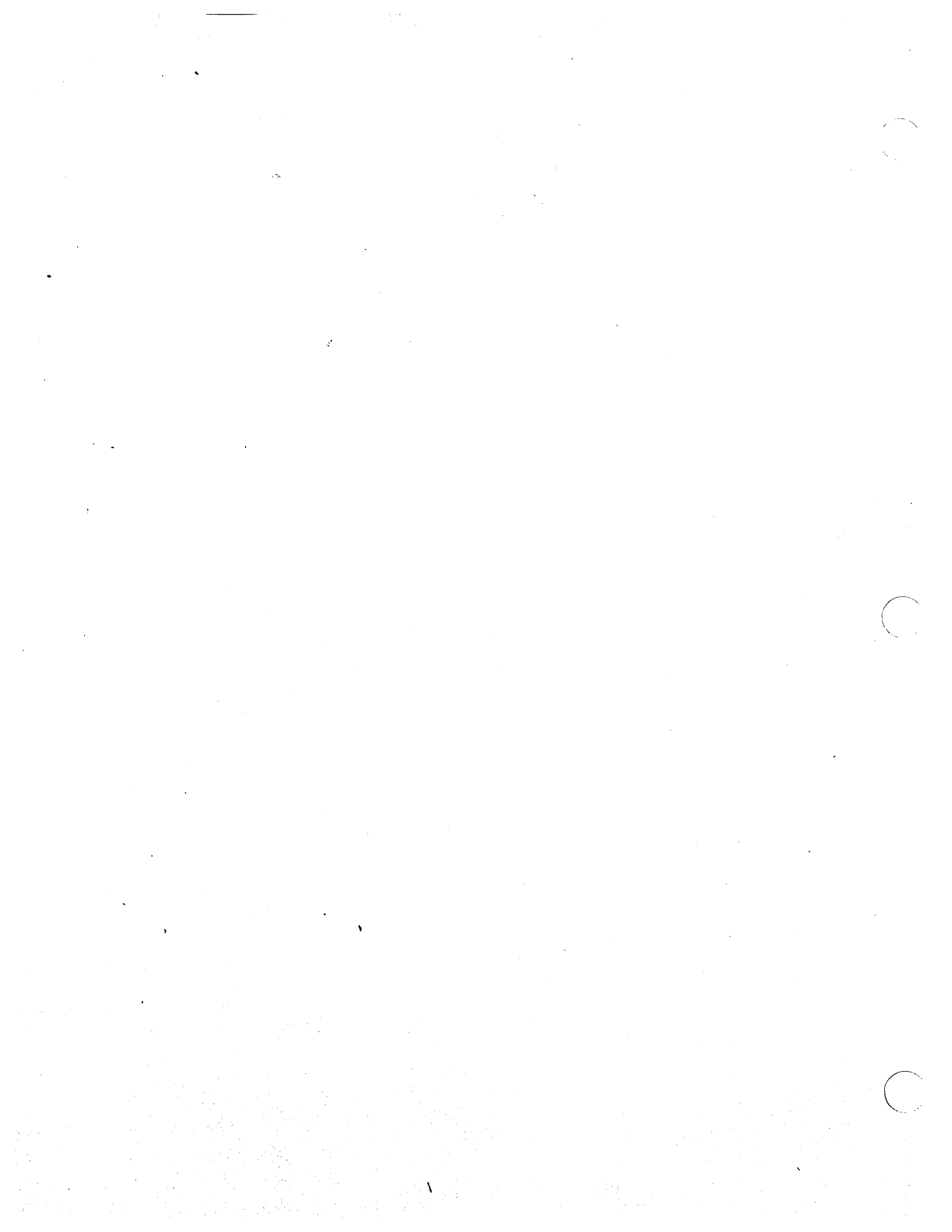
SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	10	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
P	7590600		(SW0.K46)	=-CON*SW0																					A																									
P	7590600			18C21,21,21-19B17T																					A																									
P	7590700			B.K46.																					A																									
P	7590700			27B19,20X,03																					A																									
P	7590800		(NSW0.K46)	=B.NSW0.K46																					A																									
P	7590800			27B17,01,20X,17-32C20T																					A																									
P	7591000		SW1	=FF																					A																									
P	7591000			09A27,27-12A22C-12B22C-32A01T																					A																									
P	7591100		NSW1	=NFF																					A																									
P	7591100			09A28,28-20A28T																					A																									
P	7591200		S/SW1	=*(S/SW1/1).										+.GND1117											A																									
P	7591200			09A50X,50X,47,36X,										50X,37X											A																									
P	7591300			+.PH5.DIV.RTZ.										+.K46-1.DPP.DIV											A																									
P	7591300			10A43X,50,46X,47,42X,										43X,45,44,46X											A																									
P	7591400			+.MIT.N(MIT.(M2-SW2)).																					A																									
P	7591400			10A43X,41,40,42X																					A																									
P	7591500		R/SW1	=.NPH9																					A																									
P	7591500			09A45																					A																									
P	7591600		C/SW1	=.CL-09A01																					A																									
P	7591600			09A01X																					A																									
P	7591700		(S/SW1/1)	=B*+.ALM.MWN.										+.ALR.(SW1+A47).											A																									
P	7591700			18A02,\$,\$,17,22,07X.										\$,23,24,12X											A																									
P	7591800		(SW1+A47)	=I.NSW1.NA47..																					A																									
P	7591800			11A36,25,26,27,28,36-20A24T																					A																									
P	7592000		SW2	=FF																					A																									
P	7592000			09A31,31-12A09C-12B09C-32A50T																					A																									
P	7592100		NSW2	=NFF																					A																									
P	7592100			09A26																					A																									
P	7592200		S/SW2	=*(S/SW2/1).										+.GND1117											A																									
P	7592200			09A46X,46X,43,36X,										46X,37X											A																									
P	7592300			+.(S/PH7).NPH7.MUL.FPR										+.PH4.ALN.NPH7											A																									
P	7592300			10A35X,36,37X,31X,30,										35X,38,39,37X											A																									
P	7592400			+.(MIT.M1).N(S/SXAPD/1).										MUL											A																									
P	7592400			10A35X,33,34,31X																					A																									
P	7592500		R/SW2	=.																					A																									
P	7592500			09A44																					A																									
P	7592600		C/SW2	=.CL-09A01																					A																									
P	7592600			09A01X																					A																									

CODE	LINE NO.	CHG	LOGIC EQUATIONS										PINS										REMARKS	C/L												
			1	2	3	4	5	6	7	8	9	10	20	23	24	25	26	27	28	29	30	40			23	24	25	26	27	28	29	30	50	23	24	25
P	7592700		(S/SW2/1)=B*+. (PH4.06.NDSN).. 18A45,\$,\$,40,39,41X,										+.(PH5.06.ASN.NSW2).. \$.37,38,35X											A												
P	7660100		N(S/SXA) =I*+.MIT.(NM1.NM2).NSW2. 17A22,\$,\$,08,09,10,21X,										+.(MIT.M1).M2.SW2. \$.20,19,18,21X,22-32A09T											A												
P	7660200		+. (S/SXAVA).NA47 17A\$,07,06,										+.PH5.NO6.NASPP \$.05,04X,13											A												
P	7660300		+.PH7.N(S/PH7)																					A												
P	7660400		17A\$,11,12 I.(PH8.DIV.SW1).																					A												
P	7660500		21A27,22,29X I.(FPRR+PH9).NFPR																					A												
P	7660600		23A46,40,41 B*+.MAXSL4/1..										+.FPRR.. \$.08,09,07X											A												
P	7660700		N(S/SXA+S/SXD) =B.N(S/SXA).N(S/SXD) 27A13,04,08,13-										26A13C-26B13C-32C02T											A												
P	7660800		N(S/SXA+S/SXMD) =B.N(S/SXA).N(S/SXMD) 27A02,03,09,02-										26A34C-26B34C-32C11T											A												
P	7670010		SXADD =I.NSXADD 23C40,50,40-04029T																					A												
P	7670020		NSXADD =-CON*NGXAD 31B31,31,31-26A03C-26B03C-08A27T																					A												
P	7670030		-CON*NPRXNAND 31B04,04																					A												
P	7670100		N(S/SXAMD)=B.N(S/SXAMD/1) 27B10,09,10-32C01T																					A												
P	7670102		I.(S/SXAMD/2).N(S/SXAPD). 23B06,14,08,07																					A												
P	7670110		N(S/SXAMD/1)=I*+. (MIT.(M2-SW2)).M1 16A14,\$,\$,15,17,\$,02,03,01,04X,14-										+.(S/PH7).DIV.NMWN. 26A09C-26B09C-19B15T											A												
P	7670120		(S/SXAMD/2)=I.NPH2.NASPP.N(PH6.NO6).NDIT 23A15,30,17,31,18,15-22A14C-22B14C-14B14T																					A												
P	7670150		N(S/SXAPD)=B*+.N(S/SXAPD/1).NDIT.N(PH6.NO6). 08B24,\$,\$,34X,36,37,35,24-										32C09T +.N(S/SXAPD/1).K46. +. (S/SXAPD/2). 08B\$,34X,29,33, 08B\$,31,30											A												
P	7670154		I.K46.(S/SXAPD/2). 20B06,14,08,07																					A												

SIGMA 5 FLOATING POINT

CODE	LINE NO.	C/D	LOGIC EQUATIONS /										PINS /										REMARKS	C/L																										
			1	2	3	4	5	6	7	8	9	0	20	21	22	23	24	25	26	27	28	29			40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
	7671300		SXFPU = I.NS4607XFP.																																															
P	7671300		13B45.50X.43.45-12D23T																					A																										
	7671400		I.NS4607XFP.																					A																										
P	7671400		13B44.50X.42																					A																										
	7671500		I.NS4607XFP.																					A																										
P	7671500		13B46.50X.30																					A																										
	7672000		N(S/SXMA)=I.(S/SXAVA).A47																					A																										
P	7672000		23A13.04.08.13-32A31T																					A																										
	7672020		I.(FPRR+PH9).FPR																					A																										
P	7672020		23A02.09.03																					A																										
	7672100		N(S/SXMA+S/SXD)										=B.N(S/SXMA).N(S/SXD)											A																										
P	7672100		27A46.40.41.46-26A42C-26B42C-32C14T																					A																										
	7672200		N(S/SXMA+S/SXMD)										=B.N(S/SXMA).N(S/SXMD)											A																										
P	7672200		27A01.10.11.01-26A24C-26B24C-32C03T																					A																										
	7673000		N(S/SXMD)=I.(S/SXAVD).D46																					A																										
P	7673000		25A36.37.44.36-32A12T																					A																										





XEROX DATA SYSTEMS

SIGMA 5 FLOATING POINT

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134106-100 B
02/20/70

CODE	LINE NO.	CHK	LOGIC		EQUATIONS					PINS					REMARKS	C/L												
			1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16	17	18	19	20				
	1250300																											
	1250304																											
	1250310																											
	1250330																											
	1250334																											
	1260300																											
	1260304																											
	1260310																											
	1260330																											
	1260334																											
	1270300																											
	1270304																											
	1270310																											
	1270330																											
	1270334																											
	1280300																											
	1280304																											
	1280310																											
	1280330																											
	1280334																											
	1290300																											
	1290304																											
	1290310																											
	1290330																											
	1290334																											
	1030300																											
	1030304																											
	1030310																											
	1030330																											
	1030334																											
	1300300																											
	1300304																											
	1300310																											
	1300330																											
	1300334																											
	1310300																											
	1310304																											
	1310310																											
	1310330																											
	1310334																											
	1040300																											
	1040304																											
	1040310																											
	1040330																											
	1040334																											
	1040350																											
	1480300																											
	1480304																											
	1480310																											
	1480330																											
	1480334																											

1 2345678 9 10 123456789 20 23456789 30 23456789 40 23456789 50 23456789 60 23456789 70

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	10	20	30	40	50	60	70			
	1570304														
	1570310														
	1570330														
	1570334														
	1580300														
	1580304														
	1580310														
	1580330														
	1580334														
	1590300														
	1590304														
	1590310														
	1590330														
	1590334														
	1060300														
	1060304														
	1060310														
	1060330														
	1060334														
	1060350														
	1600300														
	1600304														
	1600310														
	1600330														
	1600334														
	1610300														
	1610304														
	1610310														
	1610330														
	1610334														
	1620300														
	1620304														
	1620310														
	1620330														
	1620334														
	1630300														
	1630304														
	1630310														
	1630330														
	1630334														
	1640300														
	1640304														
	1640310														
	1640330														
	1640334														
	1650300														
	1650304														
	1650310														
	1650330														
	1650334														
	1660300														

SIGMA 5 FLOATING POINT

CODE	LINE NO.	C/D	LOGIC EQUATIONS / PINS / REMARKS										C/L												
			1	2	3	4	5	6	7	8	9	10		20	30	40	50	60	70						
	1121300	D12																							
	1121304	ND12																							
	1121310	S/D12																							
	1121330	R/D12																							
	1121334	C/D12																							
	1131300	D13																							
	1131304	ND13																							
	1131310	S/D13																							
	1131330	R/D13																							
	1131334	C/D13																							
	1141300	D14																							
	1141304	ND14																							
	1141310	S/D14																							
	1141330	R/D14																							
	1141334	C/D14																							
	1151300	D15																							
	1151304	ND15																							
	1151310	S/D15																							
	1151330	R/D15																							
	1151334	C/D15																							
	1161300	D16																							
	1161304	ND16																							
	1161310	S/D16																							
	1161330	R/D16																							
	1161334	C/D16																							
	1171300	D17																							
	1171304	ND17																							
	1171310	S/D17																							
	1171330	R/D17																							
	1171334	C/D17																							
	1181300	D18																							
	1181304	ND18																							
	1181310	S/D18																							
	1181330	R/D18																							
	1181334	C/D18																							
	1191300	D19																							
	1191304	ND19																							
	1191310	S/D19																							
	1191330	R/D19																							
	1191334	C/D19																							
	1021300	D2																							
	1021304	ND2																							
	1021310	S/D2																							
	1021330	R/D2																							
	1021334	C/D2																							
	1201300	D20																							
	1201304	ND20																							
	1201310	S/D20																							
	1201330	R/D20																							
	1201334	C/D20																							
	1211300	D21																							

SIGMA 5 FLOATING POINT

CODE	LINE NO.	CHG	LOGIC EQUATIONS			PINS			REMARKS	C/L
			10	20	30	40	50	60			70
	1622750		K62							
	1632750		K63							
	1642750		K64							
	1652750		K65							
	1662750		K66							
	1672750		K67							
	1682750		K68							
	1692750		K69							
	1072750		K7							
	1702750		K70							
	1712750		K71							
	1712760		K71-1							
	1082750		K8							
	1092750		K9							
	5550000		KFPXSL							
	5551000		KFPXSMISC							
	5552000		KFPXSU							
	5600000		NKSXA							
	5600100		K5XB							
	5600200		NKSXB							
	5600300		NKSXD							
	5810000		M1							
	5810150		(NM1.NM2)							
	5810200		M2							
	5940000		MIT							
	5940200		NMIT							
	5941400		(MIT.(M2-SW2))							
	5942000		N(MIT.(M2-SW2))							
	5941000		(MIT.M1)							
	5978000		MUL							
	5978100		NMUL							
	5980000		MWN							
	5980100		NMWN							
	5980200		S/MWN							
	5980300		R/MWN							
	5980400		C/MWN							
	6502100		N02							
	6506000		O6							
	6506100		N06							
	6507000		O7							
	6507100		N07							
	6850100		PH1							
	6850102		NPH1							
	6850104		S/PH1							
	6850106		R/PH1							
	6850108		C/PH1							
	6851000		PH10							
	6851002		NPH10							
	6851004		S/PH10							
	6851006		R/PH10							
	6851008		C/PH10							

CODE	LINE NO.	CHK	LOGIC			EQUATIONS			PINS			REMARKS			C/L
			1	2	3	4	5	6	7	8	9	10	11	12	
	1226500														
	1236500														
	1246500														
	1256500														
	1266500														
	1276500														
	1286500														
	1296500														
	1036500														
	1306500														
	1316500														
	1046500														
	1466500														
	7504000														
	1476500														
	1486500														
	1496500														
	1056500														
	1506500														
	1516500														
	1526500														
	1536500														
	1546500														
	1556500														
	1566500														
	1576500														
	1586500														
	1596500														
	1066500														
	1606500														
	1616500														
	1626500														
	1636500														
	1646500														
	1656500														
	1666500														
	1676500														
	1686500														
	1696500														
	1076500														
	1706500														
	1716500														
	1086500														
	1096500														
	7520000														
	7520220														
	7520500														
	7520400														
	7520320														
	7590000														
	7590100														

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4VA									
1000	01A49	.5	010	S	-VSP	ETH	0001000	A	
	02A49	.5	020			ETH	0001000	A	
	03A49	.5	030			ETH	0001000	A	
	04A49	.5	040			ETH	0001000	A	
	05A49	.5	050			ETH	0001000	A	
	06A49	.5	060			ETH	0001000	A	
	07A49	.5	070			ETH	0001000	A	
	08A49	.5	080			ETH	0001000	A	
	09A49	.5	090			ETH	0001010	A	
	10A49	.5	100			ETH	0001010	A	
	11A49	.5	110			ETH	0001010	A	
	12A49	.5	120			ETH	0001010	A	
	13A49	.5	130			ETH	0001010	A	
	14A49	.5	140			ETH	0001010	A	
	15A49	.5	150			ETH	0001010	A	
	16A49	.5	160			ETH	0001010	A	
	17A49	.5	170			ETH	0001020	A	
	18A49	.5	180			ETH	0001020	A	
	19A49	.5	190			ETH	0001020	A	
	20A49	.5	200			ETH	0001020	A	
	21A49	.5	210			ETH	0001020	A	
	22A49	.5	220			ETH	0001020	A	
	23A49	.5	230			ETH	0001020	A	
	24A49	.5	240			ETH	0001020	A	
	25A49	.5	250			ETH	0001030	A	
	26A49	.5	260			ETH	0001030	A	
	27A49	.5	270			ETH	0001030	A	
	28A49	.5	280			ETH	0001030	A	
	29A49	.5	290			ETH	0001030	A	
	30A49	.5	300			ETH	0001030	A	
	31A49	.5	310			ETH	0001030	A	
	32A49	15.5T	320			ETH	0001030	A	
4VB									
2000	01B49	.5	010	S	-VSP	ETH	0002000	A	
	02B49	.5	020			ETH	0002000	A	
	03B49	.5	030			ETH	0002000	A	
	04B49	.5	040			ETH	0002000	A	
	05B49	.5	050			ETH	0002000	A	
	06B49	.5	060			ETH	0002000	A	
	07B49	.5	070			ETH	0002000	A	
	08B49	.5	080			ETH	0002000	A	
	09B49	.5	090			ETH	0002010	A	
	10B49	.5	100			ETH	0002010	A	
	11B49	.5	110			ETH	0002010	A	
	12B49	.5	120			ETH	0002010	A	
	13B49	.5	130			ETH	0002010	A	
	14B49	.5	140			ETH	0002010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	15B49	.5	150			ETH	0002010	A	
	16B49	.5	160			ETH	0002010	A	
	17B49	.5	170			ETH	0002020	A	
	18B49	.5	180			ETH	0002020	A	
	19B49	.5	190			ETH	0002020	A	
	20B49	.5	200			ETH	0002020	A	
	21B49	.5	210			ETH	0002020	A	
	22B49	.5	220			ETH	0002020	A	
	23B49	.5	230			ETH	0002020	A	
	24B49	.5	240			ETH	0002020	A	
	25B49	.5	250			ETH	0002030	A	
	26B49	.5	260			ETH	0002030	A	
	27B49	.5	270			ETH	0002030	A	
	28B49	.5	280			ETH	0002030	A	
	29B49	.5	290			ETH	0002030	A	
	30B49	.5	300			ETH	0002030	A	
	31B49	.5	310			ETH	0002030	A	
	32B49	15.5T	320			ETH	0002030	A	
4VC									
3000	01C49	.5	010	S	-VSP	ETH	0003000	A	
	02C49	.5	020			ETH	0003000	A	
	03C49	.5	030			ETH	0003000	A	
	04C49	.5	040			ETH	0003000	A	
	05C49	.5	050			ETH	0003000	A	
	06C49	.5	060			ETH	0003000	A	
	07C49	.5	070			ETH	0003000	A	
	08C49	.5	080			ETH	0003000	A	
	09C49	.5	090			ETH	0003010	A	
	10C49	.5	100			ETH	0003010	A	
	11C49	.5	110			ETH	0003010	A	
	12C49	.5	120			ETH	0003010	A	
	13C49	.5	130			ETH	0003010	A	
	14C49	.5	140			ETH	0003010	A	
	15C49	.5	150			ETH	0003010	A	
	16C49	.5	160			ETH	0003010	A	
	17C49	.5	170			ETH	0003020	A	
	18C49	.5	180			ETH	0003020	A	
	19C49	.5	190			ETH	0003020	A	
	20C49	.5	200			ETH	0003020	A	
	21C49	.5	210			ETH	0003020	A	
	22C49	.5	220			ETH	0003020	A	
	23C49	.5	230			ETH	0003020	A	
	24C49	.5	240			ETH	0003020	A	
	25C49	.5	250			ETH	0003030	A	
	26C49	.5	260			ETH	0003030	A	
	27C49	.5	270			ETH	0003030	A	
	28C49	.5	280			ETH	0003030	A	
	29C49	.5	290			ETH	0003030	A	
	30C49	.5	300			ETH	0003030	A	
	31C49	.5	310			ETH	0003030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	32C49	15.5T	320			ETH	0003030	A	
4VD 4000	01D49	.5	010	S	-VSP	ETH	0004000	A	
	02D49	.5	020			ETH	0004000	A	
	03D49	.5	030			ETH	0004000	A	
	04D49	.5	040			ETH	0004000	A	
	05D49	.5	050			ETH	0004000	A	
	06D49	.5	060			ETH	0004000	A	
	07D49	.5	070			ETH	0004000	A	
	08D49	.5	080			ETH	0004000	A	
	09D49	.5	090			ETH	0004010	A	
	10D49	.5	100			ETH	0004010	A	
	11D49	.5	110			ETH	0004010	A	
	12D49	.5	120			ETH	0004010	A	
	13D49	.5	130			ETH	0004010	A	
	14D49	.5	140			ETH	0004010	A	
	15D49	.5	150			ETH	0004010	A	
	16D49	.5	160			ETH	0004010	A	
	17D49	.5	170			ETH	0004020	A	
	18D49	.5	180			ETH	0004020	A	
	19D49	.5	190			ETH	0004020	A	
	20D49	.5	200			ETH	0004020	A	
	21D49	.5	210			ETH	0004020	A	
	22D49	.5	220			ETH	0004020	A	
	23D49	.5	230			ETH	0004020	A	
	24D49	.5	240			ETH	0004020	A	
	25D49	.5	250			ETH	0004030	A	
	26D49	.5	260			ETH	0004030	A	
	27D49	.5	270			ETH	0004030	A	
	28D49	.5	280			ETH	0004030	A	
	29D49	.5	290			ETH	0004030	A	
	30D49	.5	300			ETH	0004030	A	
	31D49	.5	310			ETH	0004030	A	
	32D49	15.5T	320			ETH	0004030	A	
8VA 5000	01A51	.5	010	S	-VSP	ETH	0005000	A	
	02A51	.5	020			ETH	0005000	A	
	03A51	.5	030			ETH	0005000	A	
	04A51	.5	040			ETH	0005000	A	
	05A51	.5	050			ETH	0005000	A	
	06A51	.5	060			ETH	0005000	A	
	07A51	.5	070			ETH	0005000	A	
	08A51	.5	080			ETH	0005000	A	
	09A51	.5	090			ETH	0005010	A	
	10A51	.5	100			ETH	0005010	A	
	11A51	.5	110			ETH	0005010	A	
	12A51	.5	120			ETH	0005010	A	
	13A51	.5	130			ETH	0005010	A	
	14A51	.5	140			ETH	0005010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	ELEMENT TAG TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28 33	37	41	77	
	15A51	.5	150		ETH	0005010	A	
	16A51	.5	160		ETH	0005010	A	
	17A51	.5	170		ETH	0005020	A	
	18A51	.5	180		ETH	0005020	A	
	19A51	.5	190		ETH	0005020	A	
	20A51	.5	200		ETH	0005020	A	
	21A51	.5	210		ETH	0005020	A	
	22A51	.5	220		ETH	0005020	A	
	23A51	.5	230		ETH	0005020	A	
	24A51	.5	240		ETH	0005020	A	
	25A51	.5	250		ETH	0005030	A	
	26A51	.5	260		ETH	0005030	A	
	27A51	.5	270		ETH	0005030	A	
	28A51	.5	280		ETH	0005030	A	
	29A51	.5	290		ETH	0005030	A	
	30A51	.5	300		ETH	0005030	A	
	31A51	.5	310		ETH	0005030	A	
	32A51	15.5T	320		ETH	0005030	A	
8VB 6000	01B51	.5	010	S -VSP	ETH	0006000	A	
	02B51	.5	020		ETH	0006000	A	
	03B51	.5	030		ETH	0006000	A	
	04B51	.5	040		ETH	0006000	A	
	05B51	.5	050		ETH	0006000	A	
	06B51	.5	060		ETH	0006000	A	
	07B51	.5	070		ETH	0006000	A	
	08B51	.5	080		ETH	0006000	A	
	09B51	.5	090		ETH	0006010	A	
	10B51	.5	100		ETH	0006010	A	
	11B51	.5	110		ETH	0006010	A	
	12B51	.5	120		ETH	0006010	A	
	13B51	.5	130		ETH	0006010	A	
	14B51	.5	140		ETH	0006010	A	
	15B51	.5	150		ETH	0006010	A	
	16B51	.5	160		ETH	0006010	A	
	17B51	.5	170		ETH	0006020	A	
	18B51	.5	180		ETH	0006020	A	
	19B51	.5	190		ETH	0006020	A	
	20B51	.5	200		ETH	0006020	A	
	21B51	.5	210		ETH	0006020	A	
	22B51	.5	220		ETH	0006020	A	
	23B51	.5	230		ETH	0006020	A	
	24B51	.5	240		ETH	0006020	A	
	25B51	.5	250		ETH	0006030	A	
	26B51	.5	260		ETH	0006030	A	
	27B51	.5	270		ETH	0006030	A	
	28B51	.5	280		ETH	0006030	A	
	29B51	.5	290		ETH	0006030	A	
	30B51	.5	300		ETH	0006030	A	
	31B51	.5	310		ETH	0006030	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	32B51	15.5T	320			ETH	0006030	A	
8VC									
7000	01C51	.5	010	S	-VSP	ETH	0007000	A	
	02C51	.5	020			ETH	0007000	A	
	03C51	.5	030			ETH	0007000	A	
	04C51	.5	040			ETH	0007000	A	
	05C51	.5	050			ETH	0007000	A	
	06C51	.5	060			ETH	0007000	A	
	07C51	.5	070			ETH	0007000	A	
	08C51	.5	080			ETH	0007000	A	
	09C51	.5	090			ETH	0007010	A	
	10C51	.5	100			ETH	0007010	A	
	11C51	.5	110			ETH	0007010	A	
	12C51	.5	120			ETH	0007010	A	
	13C51	.5	130			ETH	0007010	A	
	14C51	.5	140			ETH	0007010	A	
	15C51	.5	150			ETH	0007010	A	
	16C51	.5	160			ETH	0007010	A	
	17C51	.5	170			ETH	0007020	A	
	18C51	.5	180			ETH	0007020	A	
	19C51	.5	190			ETH	0007020	A	
	20C51	.5	200			ETH	0007020	A	
	21C51	.5	210			ETH	0007020	A	
	22C51	.5	220			ETH	0007020	A	
	23C51	.5	230			ETH	0007020	A	
	24C51	.5	240			ETH	0007020	A	
	25C51	.5	250			ETH	0007030	A	
	26C51	.5	260			ETH	0007030	A	
	27C51	.5	270			ETH	0007030	A	
	28C51	.5	280			ETH	0007030	A	
	29C51	.5	290			ETH	0007030	A	
	30C51	.5	300			ETH	0007030	A	
	31C51	.5	310			ETH	0007030	A	
	32C51	15.5T	320			ETH	0007030	A	
8VD									
8000	01D51	.5	010	S	-VSP	ETH	0008000	A	
	02D51	.5	020			ETH	0008000	A	
	03D51	.5	030			ETH	0008000	A	
	04D51	.5	040			ETH	0008000	A	
	05D51	.5	050			ETH	0008000	A	
	06D51	.5	060			ETH	0008000	A	
	07D51	.5	070			ETH	0008000	A	
	08D51	.5	080			ETH	0008000	A	
	09D51	.5	090			ETH	0008010	A	
	10D51	.5	100			ETH	0008010	A	
	11D51	.5	110			ETH	0008010	A	
	12D51	.5	120			ETH	0008010	A	
	13D51	.5	130			ETH	0008010	A	
	14D51	.5	140			ETH	0008010	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	15051	.5	150			ETH	0008010	A	
	16051	.5	160			ETH	0008010	A	
	17051	.5	170			ETH	0008020	A	
	18051	.5	180			ETH	0008020	A	
	19051	.5	190			ETH	0008020	A	
	20051	.5	200			ETH	0008020	A	
	21051	.5	210			ETH	0008020	A	
	22051	.5	220			ETH	0008020	A	
	23051	.5	230			ETH	0008020	A	
	24051	.5	240			ETH	0008020	A	
	25051	.5	250			ETH	0008030	A	
	26051	.5	260			ETH	0008030	A	
	27051	.5	270			ETH	0008030	A	
	28051	.5	280			ETH	0008030	A	
	29051	.5	290			ETH	0008030	A	
	30051	.5	300			ETH	0008030	A	
	31051	.5	310			ETH	0008030	A	
	32051	15.5T	320			ETH	0008030	A	
AO									
1000100	32C17	8.1	005	T	T			A	
	27B14	14.2	010	L	.		6850250	A	
	11C31	5.6	020	S	FF		1000100	A	
	08D12	.9	030	L	.		1001310	A	
	08D24	28.8T	035	L	.		1000140	A	
NAO									
1000104	11C26	2.5	010	S	NFF		1000104	A	
	07C37	2.5T	015	L	.		4300200	A	
1000110-1									
	11C46	3.6	010	S	+		1000110	A	
	14C18	1.1	020	S	+		1000110	A	
	13C10	4.7T	025	S	+		1000118	A	
BO									
1000300	18C28	1.2	010	L	.		1700310	A	
	17C41	10.2	020	S	FF		1000300	A	
	08D44	11.4T	025	L	.		1006504	A	
NBO									
1000304	17C43	.0T	005	S	NFF		1000304	A	I
CO									
1000500	08D05	.0T	005	S	B		1000500	A	I
DO									
1001300	07C46	4.4	010	L	.		4300200	A	
	08D28	.9	020	S	FF		1001300	A	
	08D39	.8	030	L	.		1010502	A	
	07D36	6.1T	035	L	.		1710500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
FP0									
1002100	32B01	11.9	005	C	C		1002100	A	
	22C20	4.5	010	L	.		1070350	A	
	14C31	5.3	020	L	.		1000114	A	
	15B37	2.3	030	S	B		1002100	A	
	11B33	13.0	040	L	.		1476506	A	
	08D47	2.3	045	L	.		1006506	A	
	12D43	39.3T	050	T	T			A	
G0									
1002500	08D04	4.1	010	S	B		1002500	A	
	10D46	4.1T	015	L	.		4500100	A	
K0									
1002750	10D26	1.9	010	S	B		1002750	A	
	08D38	1.9T	015	L	.		1006502	A	
PR0									
1005500	08D01	4.1	010	S	B		1005500	A	
	10D43	4.1T	015	L	.		4500101	A	
S0									
1006500	14B46	.5	005	T	T			A	
	15B46	2.4	010	L	.		1002100	A	
	14C05	3.4	020	L	.		1000110	A	
	13C40	1.9	030	L	.		1040118	A	
	09C43	.7	040	L	.		1710110	A	
	09C33	.8	050	L	.		1680114	A	
	08C37	3.7	060	L	.		4000200	A	
	08D17	13.4T	065	S	I		1006500	A	
A1									
1010100	11C30	5.2	010	S	FF		1010100	A	
	08D13	.6	020	L	.		1011310	A	
	08D18	5.8T	025	L	.		1010140	A	
NA1									
1010104	07C50	3.8	010	L	.		4301200	A	
	11C29	1.2	020	S	NFF		1010104	A	
	13C34	5.0T	025	L	.		1010118	A	
1010110-1	11C41	1.6	010	S	+		1010116	A	
	13C33	2.0	020	S	+		1010118	A	
	14C13	3.6T	025	S	+		1010112	A	
B1									
1010300	18C24	1.2	010	L	.		1710310	A	
	17C37	.6	020	S	FF		1010300	A	
	17C45	9.8	030	L	.		1000310	A	
	08D42	11.6T	035	L	.		1016504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
NB1 1010304	17C39	.0T	005	S	NFF		1010304	A	I
C1 1010500	08D15	.0T	005	S	B		1010500	A	I
D1 1011300	07C42	4.4	010	L	.		4301200	A	
	08D23	.8	020	S	FF		1011300	A	
	08D30	1.0	030	L	.		1000500	A	
	09D35	6.2T	035	L	.		1020502	A	
FP1 1012100	32B02	10.5	005	C	C		1012100	A	
	15B33	8.0	010	S	B		1012100	A	
	22C23	4.8	020	L	.		1060350	A	
	14C30	8.2	030	L	.		1010114	A	
	08D33	2.3	035	L	.		1016506	A	
	12D37	33.8T	040	T	T			A	
G1 1012500	08D06	3.8	010	S	B		1012500	A	
	10D44	3.8T	015	L	.		4500101	A	
K1 1012750	10D27	2.7	010	S	B		1012750	A	
	08D46	2.7T	015	L	.		1016500	A	
PR1 1015500	08D02	3.8	010	S	B		1015500	A	
	10D40	3.8T	015	L	.		4500102	A	
S1 1016500	14B25	.5	005	T	T			A	
	15B25	5.1	010	L	.		1012100	A	
	14C17	3.1	020	L	.		1000110	A	
	09C09	4.5	030	L	.		1690114	A	
	13C44	2.9	040	L	.		1050118	A	
	08C50	3.0	050	L	.		4001200	A	
	08D19	19.1T	055	S	B		1016502	A	
A2 1020100	11C33	4.9	010	S	FF		1020100	A	
	09D12	.9	020	L	.		1021310	A	
	09D24	5.8T	025	L	.		1020140	A	
NA2 1020104	07C06	4.1	010	L	.		4302200	A	
	11C34	1.1	020	S	NFF		1020104	A	
	13C36	5.2T	030	L	.		1020118	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1020110-1	11C39	1.4	010	S	+		1020116	A	
	13C30	2.2	020	S	+		1020118	A	
	14C11	3.6T	025	S	+		1020112	A	
B2									
1020300	17C10	1.8	010	L	.		1000310	A	
	17C33	10.3	020	S	FF		1020300	A	
	09D44	12.1T	025	L	.		1026504	A	
NB2									
1020304	17C35	.0T	005	S	NFF		1020304	A	I
C2									
1020500	09D05	.0T	005	S	B		1020500	A	I
D2									
1021300	07C08	7.7	010	L	.		4302200	A	
	09D28	.9	020	S	FF		1021300	A	
	09D39	.8	030	L	.		1030502	A	
	08D36	9.4T	035	L	.		1010500	A	
FP2									
1022100	32B03	10.8	005	C	C		1022100	A	
	22C11	7.1	010	L	.		1050350	A	
	15B34	5.7	020	S	B		1022100	A	
	14C34	8.4	030	L	.		1020114	A	
	09D47	1.6	035	L	.		1026506	A	
	12D50	33.6T	040	T	T			A	
G2									
1022500	09D04	3.9	010	S	B		1022500	A	
	10D50	3.9T	015	L	.		4500101	A	
K2									
1022750	10D25	1.7	010	S	B		1022750	A	
	09D38	1.7T	015	L	.		1026500	A	
PR2									
1025500	09D01	3.3	010	S	B		1025500	A	
	10D39	3.3T	015	L	.		4500102	A	
S2									
1026500	14B40	.5	005	T	T			A	
	15B40	6.2	010	L	.		1022100	A	
	08C06	1.6	020	L	.		4002200	A	
	09C19	4.4	030	L	.		1700114	A	
	14C45	1.1	040	L	.		1010110	A	
	13C50	4.5	050	L	.		1060118	A	
	09D17	18.3T	055	S	B		1026502	A	

A3

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1030100	11C27	5.2	010	S	FF		1030100	A	
	09D13	.6	020	L	.		1031310	A	
	09D18	5.8T	025	L	.		1030140	A	
NA3									
1030104	07C07	3.4	010	L	.		4303200	A	
	11C28	1.9	020	S	NFF		1030104	A	
	13C39	5.3T	025	L	.		1030118	A	
1030110-1	11C50	1.9	010	S	+		1030116	A	
	13C38	.5	020	S	+		1030118	A	
	14C38	2.4T	025	S	+		1030112	A	
B3									
1030300	17C25	.3	010	L	.		1010310	A	
	17C29	10.5	020	S	FF		1030300	A	
	09D42	10.8T	025	L	.		1036504	A	
NB3									
1030304	17C31	.0T	005	S	NFF		1030304	A	I
C3									
1030500	09D15	.0T	005	S	B		1030500	A	I
D3									
1031300	07C14	7.0	010	L	.		4303200	A	
	09D23	.8	020	S	FF		1031300	A	
	09D30	1.5	030	L	.		1020500	A	
	11D35	9.3T	035	L	.		1040502	A	
FP3									
1032100	32B04	10.5	005	C	C		1032100	A	
	15B35	7.1	010	S	B		1032100	A	
	22C13	5.4	020	L	.		1040350	A	
	14C28	7.8	030	L	.		1030114	A	
	09D33	1.6	035	L	.		1036506	A	
	12D36	32.4T	040	T	T			A	
G3									
1032500	09D06	3.7	010	S	B		1032500	A	
	10D47	3.7T	015	L	.		4500102	A	
K3									
1032750	12D44	1.6	005	T	T			A	
	09D46	.8	010	L	.		1036500	A	
	10D42	5.7	020	L	.		1002751	A	
	19D26	8.1T	025	S	B		1032750	A	
PR3									
1035500	09D02	3.5	010	S	B		1035500	A	
	10D41	3.5T	015	L	.		1002751	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
S3									
1036500	14B39	.5	005	T	T				A
	15B39	3.5	010	L	.		1032100		A
	13C03	2.8	020	L	.		1070118		A
	08C07	1.5	030	L	.		4003200		A
	09C21	4.1	040	L	.		1710114		A
	14C44	5.6	050	L	.		1020110		A
	09D19	18.0T	055	S	B		1036502		A
A4									
1040100	16C30	6.4	010	S	FF		1040100		A
	11D12	.9	020	L	.		1041310		A
	11D24	7.3T	025	L	.		1040140		A
NA4									
1040104	16C29	1.2	010	S	NFF		1040104		A
	16C42	2.2	012	L	.		1040116		A
	12C37	3.4T	015	L	.		4304200		A
1040110-1	13C41	.6	010	S	+		1040118		A
	14C39	1.1	020	S	+		1040110		A
	16C41	1.7T	025	S	+		1040116		A
B4									
1040300	17C03	2.1	010	S	FF		1040300		A
	17C28	9.4	020	L	.		1020310		A
	11D44	11.5T	025	L	.		1046504		A
NB4									
1040304	17C05	.0T	005	S	NFF		1040304		A I
(S/B4/1)									
1040350	22C04	2.8	010	S	B		1040350		A
	17C08	2.8T	015	L	.		1040310		A
C4									
1040500	11D05	.0T	005	S	B		1040500		A I
D4									
1041300	12C46	4.4	010	L	.		4304200		A
	11D28	.9	020	S	FF		1041300		A
	11D39	1.3	030	L	.		1050502		A
	09D36	6.6T	035	L	.		1030500		A
FP4									
1042100	32B05	9.7	005	C	C		1042100		A
	15B18	6.8	010	S	B		1042100		A
	17C26	1.5	020	L	.		1030312		A
	14C26	8.0	030	L	.		1040114		A
	11D47	.5	035	L	.		1046506		A
	12D47	26.5T	040	T	T				A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
1051300	12C42	4.0	010	L	.	.	4305200	A	
	11D23	.8	020	S	FF	.	1051300	A	
	11D30	1.5	030	L	.	.	1040500	A	
	13D35	6.3T	035	L	.	.	1060502	A	
FP5									
1052100	32B06	8.7	005	C	C	.	1052100	A	
	15B13	7.4	010	S	B	.	1052100	A	
	17C30	1.9	020	L	.	.	1020312	A	
	14C24	7.1	030	L	.	.	1050114	A	
	11D33	.5	035	L	.	.	1056506	A	
	12D33	25.6T	040	T	T	.		A	
G5									
1052500	11D06	.6	010	S	B	.	1052500	A	
	10D04	.6T	015	L	.	.	4500151	A	
K5									
1052750	10D18	2.6	010	S	B	.	1052750	A	
	11D46	2.6T	015	L	.	.	1056502	A	
PR5									
1055500	11D02	1.1	010	S	B	.	1055500	A	
	10D10	1.1T	015	L	.	.	4500151	A	
S5									
1056500	14B03	.5	005	T	T	.		A	
	15B03	8.4	010	L	.	.	1052100	A	
	19C20	2.5	020	L	.	.	1090114	A	
	14C20	.4	030	L	.	.	1010114	A	
	14C14	4.7	040	L	.	.	1040110	A	
	10C50	3.5	050	L	.	.	4005200	A	
	11D19	20.0T	055	S	B	.	1056502	A	
A6									
1060100	16C27	5.9	010	S	FF	.	1060100	A	
	13D12	.9	020	L	.	.	1061310	A	
	13D24	6.8T	025	L	.	.	1060140	A	
NA6									
1060104	12C06	3.6	010	L	.	.	4306200	A	
	16C28	1.5	020	S	NFF	.	1060104	A	
	16C47	5.1T	025	L	.	.	1060116	A	
1060110-1	13C47	.6	010	S	+	.	1060118	A	
	14C42	1.6	020	S	+	.	1060112	A	
	16C50	2.2T	025	S	+	.	1060116	A	
B6									
1060300	22C06	3.0	010	L	.	.	1040350	A	
	17C17	9.5	020	S	FF	.	1060300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		13D44	12.5T	025	L	.	1066504	A	
NB6 1060304	17C19	.0T	005	S	NFF		1060304	A	I
(S/B6/1) 1060350	22C02	2.5	010	S	B		1060350	A	
	17C02	2.5T	015	L	.		1060310	A	
C6 1060500	13D05	.0T	005	S	B		1060500	A	I
D6 1061300	12C08	7.2	010	L	.		4306200	A	
	13D28	.9	020	S	FF		1061300	A	
	13D39	1.3	030	L	.		1070502	A	
	11036	9.4T	035	L	.		1050500	A	
FP6 1062100	32B07	9.3	005	C	C		1062100	A	
	15B14	6.6	010	S	B		1062100	A	
	14C29	2.5	020	L	.		1060114	A	
	17C44	7.2	030	L	.		1010312	A	
	13D47	.7	035	L	.		1066506	A	
	12D46	26.3T	040	T	T			A	
G6 1062500	13D04	1.6	010	S	B		1062500	A	
	10D01	1.6T	015	L	.		4500151	A	
K6 1062750	10D20	2.8	010	S	B		1062750	A	
	13D38	2.8T	015	L	.		1066500	A	
PR6 1065500	13D01	2.1	010	S	B		1065500	A	
	10D09	2.1T	015	L	.		4500152	A	
S6 1066500	14B08	.5	005	T	T			A	
	15B08	5.4	010	L	.		1062100	A	
	14C04	2.1	020	L	.		1050110	A	
	10C06	4.6	030	L	.		4006200	A	
	19C08	1.2	040	L	.		1080112	A	
	19C23	2.5	050	L	.		1100114	A	
	14C23	5.3	060	L	.		1020114	A	
	13D17	21.6T	065	S	I		1066500	A	
A7 1070100	16C33	5.2	010	S	FF		1070100	A	
	13D13	.6	020	L	.		1071310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1075500	13D02	1.6	010	S	B		1075500	A	
	10D07	1.6T	015	L	.		1042751	A	
S7									
1076500	14B10	.5	005	T	T			A	
	15B10	7.2	010	L	.		1072100	A	
	10C07	4.5	020	L	.		4007200	A	
	19C07	1.3	030	L	.		1080112	A	
	19C25	2.5	040	L	.		1110114	A	
	14C25	1.1	050	L	.		1030114	A	
	14C36	4.2	060	L	.		1060110	A	
	13D19	21.3T	065	S	I		1076500	A	
AB									
1080100	16C02	7.0	010	S	FF		1080100	A	
	14D12	.9	020	L	.		1081310	A	
	14D24	7.9T	025	L	.		1080140	A	
NAB									
1080104	16C21	.0T	005	S	NFF		1080104	A	I
1080110-1	13C13	1.7	010	S	+		1080118	A	
	16C18	1.5	020	S	+		1080116	A	
	19C18	3.2T	025	S	+		1080110	A	
BB									
1080300	22C17	2.8	010	L	.		1060350	A	
	17C18	1.4	020	L	.		1070310	A	
	16C06	9.1	030	S	FF		1080300	A	
	14D44	13.3T	035	L	.		1086504	A	
NBB									
1080304	16C07	.0T	005	S	NFF		1080304	A	I
(S/BB)									
1080350	16D24	5.9	010	S	B		1080350	A	
	16C19	5.9T	015	L	.		1080310	A	
CB									
1080500	14D05	.0T	005	S	B		1080500	A	I
DB									
1081300	14D28	.9	010	S	FF		1081300	A	
	14D39	.8	020	L	.		1090502	A	
	13D36	1.7T	025	L	.		1070500	A	
FPB									
1082100	32B09	10.1	005	C	C			A	
	16B37	3.7	020	S	B		1082100	A	
	10B47	7.5	025	L	.		1486506	A	
	18C26	1.0	030	L	.		1710312	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19C31	8.9	040	L	.	1080114	A	
		14D47	3.1	045	L	.	1086506	A	
		12D19	34.3T	050	T	T		A	
G8									
1082500	14D04	4.1	010	S	B		1082500	A	
	16D46	4.1T	015	L	.		4500200	A	
K8									
1082750	16D26	1.9	010	S	B		1082750	A	
	14D38	1.9T	015	L	.		1086500	A	
PR8									
1085500	14D01	4.1	010	S	B		1085500	A	
	16D43	4.1T	015	L	.		4500201	A	
S8									
1086500	14B44	1.1	005	T	T			A	
	16B46	3.8	010	L	.		1082100	A	
	19C05	2.1	020	L	.		1100112	A	
	19C33	2.5	030	L	.		1120114	A	
	14C33	.7	040	L	.		1040114	A	
	14C43	3.3	050	L	.		1070110	A	
	14D17	13.5T	055	S	I		1086500	A	
A9									
1090100	16C04	6.6	010	S	FF		1090100	A	
	14D13	.6	020	L	.		1091310	A	
	14D18	7.2T	025	L	.		1090140	A	
NA9									
1090104	16C05	.0T	005	S	NFF		1090104	A	I
1090110-1	16C03	2.2	010	S	+		1090116	A	
	19C13	2.2T	015	S	+		1090110	A	
B9									
1090300	31C03	5.9	010	S	FF		1090300	A	
	22C18	9.6	020	L	.		1070350	A	
	16D36	1.4	030	L	.		1080354	A	
	14D42	16.9T	035	L	.		1096504	A	
NB9									
1090304	31C05	.0T	005	S	NFF		1090304	A	I
C9									
1090500	14D15	.0T	005	S	B		1090500	A	I
D9									
1091300	14D23	.8	010	S	FF		1091300	A	
	14D30	1.0	020	L	.		1080500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1100500	15D05	.0T	005	S	B		1100500	A	I
D10									
1101300	15D28	.9	010	S	FF		1101300	A	
	15D39	.8	020	L	.		1110502	A	
	14D36	1.7T	025	L	.		1090500	A	
FP10									
1102100	32B11	10.0	005	C	C		1102100	A	
	16B34	4.2	020	S	B		1102100	A	
	09B47	9.1	025	L	.		1506506	A	
	19C34	1.2	030	L	.		1100114	A	
	18C44	6.7	040	L	.		1690312	A	
	15D47	3.7	045	L	.		1106506	A	
	12D17	34.9T	050	T	T			A	
G10									
1102500	15D04	3.9	010	S	B		1102500	A	
	16D50	3.9T	015	L	.		4500201	A	
K10									
1102750	16D25	1.7	010	S	B		1102750	A	
	15D38	1.7T	015	L	.		1106500	A	
PR10									
1105500	15D01	3.3	010	S	B		1105500	A	
	16D39	3.3T	015	L	.		4500202	A	
S10									
1106500	14B41	.8	005	T	T			A	
	16B40	4.4	010	L	.		1102100	A	
	14C19	2.5	020	L	.		1060114	A	
	19C19	1.9	030	L	.		1140114	A	
	19C45	5.1	040	L	.		1100110	A	
	15D17	14.7T	045	S	I		1106500	A	
A11									
1110100	21C33	6.7	010	S	FF		1110100	A	
	15D13	.6	020	L	.		1111310	A	
	15D18	7.3T	025	L	.		1110140	A	
NA11									
1110104	21C34	.0T	005	S	NFF		1110104	A	I
1110110-1	19C38	1.2	010	S	+		1110114	A	
	21C39	1.2T	015	S	+		1110116	A	
B11									
1110300	31C08	.8	010	L	.		1090310	A	
	31C17	15.4	020	S	FF		1110300	A	
	15D42	16.2T	025	L	.		1116504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
NB11 1110304	31C19	.0T	005	S	NFF		1110304	A	I
C11 1110500	15D15	.0T	005	S	B		1110500	A	I
D11 1111300	15D23	.8	010	S	FF		1111300	A	
	15D30	1.5	020	L	.		1100500	A	
	17D35	2.3T	025	L	.		1120502	A	
FP11 1112100	32B12	9.4	005	C	C		1112100	A	
	16B35	3.6	020	S	B		1112100	A	
	09B33	9.7	025	L	.		1516506	A	
	19C28	1.8	030	L	.		1110114	A	
	18C46	5.5	040	L	.		1680312	A	
	15D33	3.0	045	L	.		1116506	A	
	12D14	33.0T	050	T	T			A	
G11 1112500	15D06	3.7	010	S	B		1112500	A	
	16D47	3.7T	015	L	.		4500202	A	
K11 1112750	12D15	3.7	005	T	T			A	
	15D46	.8	010	L	.		1116502	A	
	16D42	3.0	020	L	.		1102750	A	
	19D25	7.5T	025	S	B		1112750	A	
PR11 1115500	15D02	3.5	010	S	B		1115500	A	
	16D41	3.5T	015	L	.		1102750	A	
S11 1116500	14B38	1.2	005	T	T			A	
	16B39	4.9	010	L	.		1112100	A	
	14C21	2.5	020	L	.		1070114	A	
	19C21	2.0	030	L	.		1150114	A	
	19C44	5.1	040	L	.		1100110	A	
	15D19	15.7T	045	S	I		1116500	A	
A12 1120100	21C30	5.9	010	S	FF		1120100	A	
	17D12	.9	020	L	.		1121310	A	
	17D24	6.8T	025	L	.		1120140	A	
NA12 1120104	21C29	.0T	005	S	NFF		1120104	A	I
1120110-1	19C39	1.1	010	S	+		1120112	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	21C41	1.1T	015	S	+		1120110	A	
B12									
1120300	31C04	1.4	010	L	.		1100310	A	
	31C21	14.2	020	S	FF		1120300	A	
	17D44	15.6T	025	L	.		1126504	A	
NB12									
1120304	31C27	.0T	005	S	NFF		1120304	A	I
C12									
1120500	17D05	.0T	005	S	B		1120500	A	I
D12									
1121300	15D36	1.3	010	L	.		1110500	A	
	17D39	.9	020	L	.		1130502	A	
	17D28	2.2T	025	S	FF		1121300	A	
FP12									
1122100	32B13	8.6	005	C	C		1122100	A	
	16B18	6.4	020	S	B		1122100	A	
	07B47	9.5	025	L	.		1526506	A	
	19C26	.5	030	L	.		1120114	A	
	20C26	8.0	040	L	.		1670312	A	
	17D47	5.7	045	L	.		1126506	A	
	12D06	38.7T	050	T	T			A	
G12									
1122500	17D04	.6	010	S	B		1122500	A	
	16D02	.6T	015	L	.		4500250	A	
K12									
1122750	16D19	1.8	010	S	B		1122750	A	
	17D38	1.8T	015	L	.		1126502	A	
PR12									
1125500	17D01	.8	010	S	B		1125500	A	
	16D05	.8T	015	L	.		4500252	A	
S12									
1126500	14B21	.8	005	T	T			A	
	16B20	5.7	010	L	.		1122100	A	
	16C25	3.4	020	L	.		1080116	A	
	23C22	2.7	030	L	.		1160114	A	
	19C35	4.9	040	L	.		1110110	A	
	17D17	17.5T	045	S	B		1126502	A	
A13									
1130100	21C31	5.9	010	S	FF		1130100	A	
	17D13	.6	020	L	.		1131310	A	
	17D18	6.5T	025	L	.		1130140	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NA13									
1130104	21C26	.0T	005	S	NFF		1130104	A	I
1130110-1	19C41	1.2	010	S	+		1130112	A	
	21C46	1.2T	015	S	+		1130110	A	
B13									
1130300	29C03	.8	010	S	FF		1130300	A	
	31C02	1.2	020	L	.		1110310	A	
	31C18	14.0	030	L	.		1120310	A	
	17D42	16.0T	035	L	.		1136504	A	
NB13									
1130304	29C05	.0T	005	S	NFF		1130304	A	I
C13									
1130500	17D15	.0T	005	S	B		1130500	A	I
D13									
1131300	17D23	.8	010	S	FF		1131300	A	
	17D30	1.0	020	L	.		1120500	A	
	18D35	1.8T	025	L	.		1140502	A	
FP13									
1132100	32B14	7.9	005	C	C		1132100	A	
	16B13	6.0	020	S	B		1132100	A	
	07B33	10.4	025	L	.		1536506	A	
	19C24	.9	030	L	.		1130114	A	
	20C30	6.7	040	L	.		1660312	A	
	17D33	4.6	045	L	.		1136506	A	
	12D05	36.5T	050	T	T			A	
G13									
1132500	17D06	.6	010	S	B		1132500	A	
	16D04	.6T	015	L	.		1122750	A	
K13									
1132750	16D18	2.6	010	S	B		1132750	A	
	17D46	2.6T	015	L	.		1136500	A	
PR13									
1135500	17D02	1.1	010	S	B		1135500	A	
	16D10	1.1T	015	L	.		4500252	A	
S13									
1136500	14B04	1.3	005	T	T			A	
	16B03	7.4	010	L	.		1132100	A	
	19C14	2.4	020	L	.		1120110	A	
	23C20	3.8	030	L	.		1170114	A	
	16C24	5.5	040	L	.		1090116	A	
	17D19	20.4T	045	S	B		1136502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A14									
1140100	21C27	5.9	010	S	FF		1140100	A	
	18D12	.9	020	L	.		1141310	A	
	18D24	6.8T	025	L	.		1140140	A	
NA14									
1140104	21C28	.0T	005	S	NFF		1140104	A	I
1140110-1	19C42	1.6	010	S	+		1140114	A	
	21C50	1.6T	015	S	+		1140116	A	
B14									
1140300	29C07	1.8	010	S	FF		1140300	A	
	31C20	13.5	020	L	.		1120310	A	
	18D44	15.3T	025	L	.		1146504	A	
NB14									
1140304	29C15	.0T	005	S	NFF		1140304	A	I
C14									
1140500	18D05	.0T	005	S	B		1140500	A	I
D14									
1141300	18D28	.9	010	S	FF		1141300	A	
	18D39	.8	020	L	.		1150502	A	
	17D36	1.7T	025	L	.		1130500	A	
FP14									
1142100	32B15	8.2	005	C	C		1142100	A	
	16B14	7.2	020	S	B		1142100	A	
	06B47	10.4	025	L	.		1546506	A	
	19C29	1.5	030	L	.		1140114	A	
	20C44	6.2	040	L	.		1650312	A	
	18D47	1.3	045	L	.		1146506	A	
	20D43	34.8T	050	T	T			A	
G14									
1142500	18D04	1.1	010	S	B		1142500	A	
	16D01	1.1T	015	L	.		1122750	A	
K14									
1142750	16D20	2.3	010	S	B		1142750	A	
	18D38	2.3T	015	L	.		1146500	A	
PR14									
1145500	18D01	1.6	010	S	B		1145500	A	
	16D09	1.6T	015	L	.		4500252	A	
S14									
1146500	14B09	.8	005	T	T			A	
	16B08	5.7	010	L	.		1142100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		16C13	1.9	020	L	.	1100116	A	
		19C04	2.3	030	L	.	1130110	A	
		23C08	1.2	040	L	.	1160112	A	
		23C23	7.3	050	L	.	1180114	A	
		18D17	19.2T	055	S	I	1146500	A	
A15									
1150100	21C04	7.1	010	S	FF		1150100	A	
	18D13	.6	020	L	.		1151310	A	
	18D18	7.7T	025	L	.		1150140	A	
NA15									
1150104	21C05	.0T	005	S	NFF		1150104	A	I
1150110-1	19C06	1.5	010	S	+		1150110	A	
	21C03	1.5T	015	S	+		1150110	A	
B15									
1150300	29C08	.8	010	L	.		1130310	A	
	29C17	12.9	020	S	FF		1150300	A	
	18D42	13.7T	025	L	.		1156504	A	
NB15									
1150304	29C19	.0T	005	S	NFF		1150304	A	I
C15									
1150500	18D15	.0T	005	S	B		1150500	A	I
D15									
1151300	18D23	.8	010	S	FF		1151300	A	
	18D30	2.0	020	L	.		1140500	A	
	21D35	2.8T	025	L	.		1160502	A	
FP15									
1152100	32B17	8.1	005	C	C		1152100	A	
	16B15	6.3	020	S	B		1152100	A	
	06B33	11.3	025	L	.		1556506	A	
	19C27	1.8	030	L	.		1150114	A	
	20C46	5.0	040	L	.		1640312	A	
	18D33	1.1	045	L	.		1156506	A	
	20D31	33.6T	050	T	T			A	
G15									
1152500	18D06	1.0	010	S	B		1152500	A	
	16D06	1.0T	015	L	.		4500252	A	
K15									
1152750	19C40	4.3	010	S	I		1152754	A	
	16D08	2.3	020	L	.		1122751	A	
	19D17	2.1	030	S	B		1152750	A	
	19D45	.3	040	L	.		1712751	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19042	.8	050	L	.	1112750	A	
		18046	1.3	055	L	.	1156502	A	
		20045	11.1T	060	T	T		A	
PR15									
1155500	18002	1.1	010	S	B		1155500	A	
	16007	1.1T	015	L	.		1122751	A	
S15									
1156500	14B12	1.1	005	T	T			A	
	16B10	8.6	010	L	.		1152100	A	
	23C07	1.3	020	L	.		1160112	A	
	23C25	1.7	030	L	.		1190114	A	
	21C35	1.3	040	L	.		1110116	A	
	19C36	4.2	050	L	.		1140110	A	
	18D19	18.2T	055	S	B		1156502	A	
A16									
1160100	21C02	6.0	010	S	FF		1160100	A	
	21D12	.9	020	L	.		1161310	A	
	21D24	6.9T	025	L	.		1160140	A	
NA16									
1160104	21C21	.0T	005	S	NFF		1160104	A	I
1160110-1	21C18	1.0	010	S	+		1160116	A	
	23C18	1.0T	015	S	+		1160114	A	
B16									
1160300	29C04	1.4	010	L	.		1140310	A	
	29C21	11.2	020	S	FF		1160300	A	
	21D44	12.6T	025	L	.		1166504	A	
NB16									
1160304	29C27	.0T	005	S	NFF		1160304	A	I
C16									
1160500	21D05	.0T	005	S	B		1160500	A	I
D16									
1161300	18D36	1.8	010	L	.		1150500	A	
	21D39	.9	020	L	.		1170502	A	
	21D28	2.7T	025	S	FF		1161300	A	
FP16									
1162100	32B18	8.6	005	C	C		1162100	A	
	17B37	6.7	020	S	B		1162100	A	
	05B47	13.5	025	L	.		1566506	A	
	25C26	1.1	030	L	.		1630312	A	
	23C31	7.4	040	L	.		1160114	A	
	21D47	1.2	045	L	.		1166506	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	20D37	38.5T	050	T	T				A
G16									
1162500	21D04	4.1	010	S	B		1162500		A
	23D46	4.1T	015	L	.		4500300		A
K16									
1162750	23D26	1.9	010	S	B		1162750		A
	21D38	1.9T	015	L	.		1166500		A
PR16									
1165500	12D12	2.0	005	T	T				A
	16D12	3.6	010	L	.		6900210		A
	21D01	4.1	020	S	B		1165500		A
	23D43	9.7T	025	L	.		4500301		A
S16									
1166500	19B44	1.1	005	T	T				A
	17B46	5.3	010	L	.		1162100		A
	23C05	2.1	020	L	.		1160110		A
	23C33	2.7	030	L	.		1200114		A
	19C43	.8	040	L	.		1150110		A
	21C42	3.5	050	L	.		1120116		A
	21D17	15.5T	055	S	I		1166500		A
A17									
1170100	21C14	5.3	010	S	FF		1170100		A
	21D13	.6	020	L	.		1171310		A
	21D18	5.9T	025	L	.		1170140		A
NA17									
1170104	21C12	.0T	005	S	NFF		1170104		A I
1170110-1	21C11	1.1	010	S	+		1170110		A
	23C13	1.1T	015	S	+		1170110		A
B17									
1170300	27C03	.8	010	S	FF		1170300		A
	29C02	1.2	020	L	.		1150310		A
	29C18	11.0	030	L	.		1160310		A
	21D42	13.0T	035	L	.		1176504		A
NB17									
1170304	27C05	.0T	005	S	NFF		1170304		A I
C17									
1170500	21D15	.0T	005	S	B		1170500		A I
D17									
1171300	21D23	.8	010	S	FF		1171300		A
	21D30	1.0	020	L	.		1160500		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		22D35	1.8T	025	L	.	1180502	A	
FP17									
1172100	32B19	8.5	005	C	C		1172100	A	
	17B33	6.0	020	S	B		1172100	A	
	05B33	13.9	025	L	.		1576506	A	
	23C30	1.0	030	L	.		1170114	A	
	25C30	7.2	040	L	.		1620312	A	
	21D33	1.0	045	L	.		1176506	A	
	20D36	37.6T	050	T	T			A	
G17									
1172500	21D06	3.8	010	S	B		1172500	A	
	23D44	3.8T	015	L	.		4500301	A	
K17									
1172750	23D27	2.7	010	S	B		1172750	A	
	21D46	2.7T	015	L	.		1176500	A	
PR17									
1175500	12D13	2.0	005	T	T			A	
	16D13	3.0	010	L	.			A	
	21D02	3.8	020	S	B		6900210	A	
	23D40	8.8T	025	L	.		1175500	A	
							4500301	A	
S17									
1176500	19B23	1.1	005	T	T			A	
	17B25	7.0	010	L	.		1172100	A	
	23C09	.6	020	L	.		1210114	A	
	23C17	2.9	030	L	.		1160110	A	
	21C43	3.4	040	L	.		1130116	A	
	21D19	15.0T	045	S	I		1176500	A	
A18									
1180100	26C14	7.1	010	S	FF		1180100	A	
	22D12	.9	020	L	.		1181310	A	
	22D24	8.0T	025	L	.		1180140	A	
NA18									
1180104	26C12	.0T	005	S	NFF		1180104	A	I
1180110-1	23C11	1.5	010	S	+		1180112	A	
	26C11	1.5T	015	S	+		1180116	A	
B18									
1180300	27C07	1.8	010	S	FF		1180300	A	
	29C20	10.5	020	L	.		1160310	A	
	22D44	12.3T	025	L	.		1186504	A	
NB18									
1180304	27C15	.0T	005	S	NFF		1180304	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
1190300	27C08	.8	010	L	.	.	1170310	A	
	27C17	9.9	020	S	FF	.	1190300	A	
	22D42	10.7T	025	L	.	.	1196504	A	
NB19									
1190304	27C19	.0T	005	S	NFF	.	1190304	A	I
C19									
1190500	22D15	.0T	005	S	B	.	1190500	A	I
D19									
1191300	22D23	.8	010	S	FF	.	1191300	A	
	22D30	1.5	020	L	.	.	1180500	A	
	24D35	2.3T	025	L	.	.	1200502	A	
FP19									
1192100	32B21	8.5	005	C	C	.	1192100	A	
	17B35	6.6	020	S	B	.	1192100	A	
	04B33	14.2	025	L	.	.	1596506	A	
	23C28	2.3	030	L	.	.	1190114	A	
	25C46	5.5	040	L	.	.	1600312	A	
	22D33	1.3	045	L	.	.	1196506	A	
	20D30	38.4T	050	T	T	.		A	
G19									
1192500	22D06	3.7	010	S	B	.	1192500	A	
	23D47	3.7T	015	L	.	.	4500302	A	
K19									
1192750	20D28	1.0	005	T	T	.		A	
	19D19	3.4	010	S	B	.	1192750	A	
	22D46	.8	020	L	.	.	1196500	A	
	23D42	5.2T	025	L	.	.	1162751	A	
PR19									
1195500	12D10	2.5	005	T	T	.		A	
	16D15	3.7	010	L	.	.	6900210	A	
	22D02	3.5	020	S	B	.	1195500	A	
	23D41	9.7T	025	L	.	.	1162751	A	
S19									
1196500	19B39	1.0	005	T	T	.		A	
	17B39	6.0	010	L	.	.	1192100	A	
	21C24	1.5	020	L	.	.	1150116	A	
	23C21	2.0	030	L	.	.	1230114	A	
	23C44	3.6	040	L	.	.	1180110	A	
	22D19	14.1T	045	S	B	.	1196502	A	
A20									
1200100	26C30	4.9	010	S	FF	.	1200100	A	
	24D12	.9	020	L	.	.	1201310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	24D24	5.8T	025	L	.		1200140	A	
NA20 1200104	26C29	.0T	005	S	NFF		1200104	A	I
1200110-1	23C39	1.6	010	S	+		1200110	A	
	26C41	1.6T	015	S	+		1200116	A	
B20 1200300	27C04	1.4	010	L	.		1180310	A	
	27C21	8.7	020	S	FF		1200300	A	
	24D44	10.1T	025	L	.		1206504	A	
NB20 1200304	27C27	.0T	005	S	NFF		1200304	A	I
C20 1200500	24D05	.0T	005	S	B		1200500	A	I
D20 1201300	22D36	1.3	010	L	.		1190500	A	
	24D39	.9	020	L	.		1210502	A	
	24D28	2.2T	025	S	FF		1201300	A	
FP20 1202100	32B22	7.8	005	C	C		1202100	A	
	17B18	9.4	020	S	B		1202100	A	
	02B47	14.0	025	L	.		1606506	A	
	23C26	2.0	030	L	.		1200114	A	
	27C26	8.0	040	L	.		1590312	A	
	24D47	3.7	045	L	.		1206506	A	
	20D26	44.9T	050	T	T			A	
G20 1202500	24D04	.6	010	S	B		1202500	A	
	23D02	.6T	015	L	.		4500350	A	
K20 1202750	23D19	1.8	010	S	B		1202750	A	
	24D38	1.8T	015	L	.		1206500	A	
PR20 1205500	20D13	.7	005	T	T			A	
	19D12	2.8	010	L	.		6900212	A	
	23D05	.8	020	L	.		4500351	A	
	24D01	4.3T	025	S	B		1205500	A	
S20 1206500	19B18	1.1	005	T	T			A	
	17B20	7.7	010	L	.		1202100	A	
	21C25	3.4	020	L	.		1160116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		28C22	3.2	030	L	.	1240114	A	
		23C35	4.4	040	L	.	1190110	A	
		24D17	19.8T	045	S	B	1206502	A	
A21									
1210100	26C31	4.9	010	S	FF		1210100	A	
	24D13	.6	020	L	.		1211310	A	
	24D18	5.5T	025	L	.		1210140	A	
NA21									
1210104	26C26	.0T	005	S	NFF		1210104	A	I
1210110-1	23C41	1.7	010	S	+		1210114	A	
	26C46	1.7T	015	S	+		1210116	A	
B21									
1210300	25C03	.8	010	S	FF		1210300	A	
	27C02	1.2	020	L	.		1190310	A	
	27C18	8.5	030	L	.		1200310	A	
	24D42	10.5T	035	L	.		1216504	A	
NB21									
1210304	25C05	.0T	005	S	NFF		1210304	A	I
C21									
1210500	24D15	.0T	005	S	B		1210500	A	I
D21									
1211300	24D23	.8	010	S	FF		1211300	A	
	24D30	1.0	020	L	.		1200500	A	
	25D35	1.8T	025	L	.		1220502	A	
FP21									
1212100	32B23	8.2	005	C	C		1212100	A	
	17B13	9.0	020	S	B		1212100	A	
	02B33	14.9	025	L	.		1616506	A	
	23C24	2.4	030	L	.		1210114	A	
	27C30	6.7	040	L	.		1580312	A	
	24D33	2.8	045	L	.		1216506	A	
	20D24	44.0T	050	T	T			A	
G21									
1212500	24D06	.6	010	S	B		1212500	A	
	23D04	.6T	015	L	.		4500351	A	
K21									
1212750	23D18	2.6	010	S	B		1212750	A	
	24D46	2.6T	015	L	.		1216500	A	
PR21									
1215500	20D12	.3	005	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19D13	1.9	010	L	.	6900212	A	
		23D10	1.1	020	L	.	4500351	A	
		24D02	3.3T	025	S	B	1215500	A	
S21									
1216500	19B04	.9	005	T	T			A	
	17B03	8.0	010	L	.		1212100	A	
	21C13	.9	020	L	.		1170116	A	
	23C14	2.9	030	L	.		1200110	A	
	28C20	6.9	040	L	.		1250114	A	
	24D19	19.6T	045	S	I		1216500	A	
A22									
1220100	26C27	4.9	010	S	FF		1220100	A	
	25D12	.9	020	L	.		1221310	A	
	25D24	5.8T	025	L	.		1220140	A	
NA22									
1220104	26C28	.0T	005	S	NFF		1220104	A	I
1220110-1	23C42	2.1	010	S	+		1220114	A	
	26C50	2.1T	015	S	+		1220110	A	
B22									
1220300	25C07	1.8	010	S	FF		1220300	A	
	27C20	8.0	020	L	.		1200310	A	
	25D44	9.8T	025	L	.		1226504	A	
NB22									
1220304	25C15	.0T	005	S	NFF		1220304	A	I
C22									
1220500	25D05	.0T	005	S	B		1220500	A	I
D22									
1221300	25D28	.9	010	S	FF		1221300	A	
	25D39	.8	020	L	.		1230502	A	
	24D36	1.7T	025	L	.		1210500	A	
FP22									
1222100	32B24	8.2	005	C	C		1222100	A	
	17B14	10.2	020	S	B		1222100	A	
	01B47	14.9	025	L	.		1626506	A	
	23C29	3.0	030	L	.		1220114	A	
	27C44	6.2	040	L	.		1570312	A	
	25D47	4.3	045	L	.		1226506	A	
	20D23	46.8T	050	T	T			A	
G22									
1222500	25D04	1.1	010	S	B		1222500	A	
	23D01	1.1T	015	L	.		4500351	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
K22									
1222750	23020	2.3	010	S	B		1222750	A	
	25038	2.3T	015	L	.		1226500	A	
PR22									
1225500	20015	.7	005	T	T			A	
	19014	2.6	010	L	.		6900212	A	
	23009	1.6	020	L	.		4500352	A	
	25001	4.9T	025	S	B		1225500	A	
S22									
1226500	19807	1.3	005	T	T			A	
	17808	7.9	010	L	.		1222100	A	
	23C04	2.3	020	L	.		1210110	A	
	26C13	1.1	030	L	.		1180116	A	
	28C08	1.2	040	L	.		1240112	A	
	28C23	6.3	050	L	.		1260114	A	
	25D17	20.1T	055	S	I		1226500	A	
A23									
1230100	26C04	6.1	010	S	FF		1230100	A	
	25D13	.6	020	L	.		1231310	A	
	25D18	6.7T	025	L	.		1230140	A	
NA23									
1230104	26C05	.0T	005	S	NFF		1230104	A	I
1230110-1	23C06	2.0	010	S	+		1230110	A	
	26C03	2.0T	015	S	+		1230110	A	
B23									
1230300	25C08	.8	010	L	.		1210310	A	
	25C17	7.4	020	S	FF		1230300	A	
	25D42	8.2T	025	L	.		1236504	A	
NB23									
1230304	25C19	.0T	005	S	NFF		1230304	A	I
C23									
1230500	25D15	.0T	005	S	B		1230500	A	I
D23									
1231300	25D23	.8	010	S	FF		1231300	A	
	25D30	1.0	020	L	.		1220500	A	
	26D35	1.8T	025	L	.		1240502	A	
FP23									
1232100	32B25	8.2	005	C	C		1232100	A	
	17B15	9.3	020	S	B		1232100	A	
	01B33	15.8	025	L	.		1636506	A	
	23C27	3.3	030	L	.		1230114	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	27C46	5.0	040	L	.		1560312	A	
	25033	3.4	045	L	.		1236506	A	
	20D21	45.0T	050	T	T			A	
G23									
1232500	25D06	1.0	010	S	B		1232500	A	
	23D06	1.0T	015	L	.		4500352	A	
K23									
1232750	20D22	.8	005	T	T			A	
	19D18	2.7	010	S	B		1232750	A	
	23D08	3.8	020	L	.		1202751	A	
	25D46	7.3T	025	L	.		1236500	A	
PR23									
1235500	20D14	.3	005	T	T			A	
	19D15	2.6	010	L	.		6900212	A	
	23D07	1.1	020	L	.		1202751	A	
	25D02	4.0T	025	S	B		1235500	A	
S23									
1236500	19B09	1.3	005	T	T			A	
	17B10	10.2	010	L	.		1232100	A	
	23C36	1.8	020	L	.		1220110	A	
	26C35	3.1	030	L	.		1190116	A	
	28C07	1.3	040	L	.		1240112	A	
	28C25	6.3	050	L	.		1270114	A	
	25D19	24.0T	055	S	B		1236502	A	
A24									
1240100	26C02	6.0	010	S	FF		1240100	A	
	26D12	.9	020	L	.		1241310	A	
	26D24	6.9T	025	L	.		1240140	A	
NA24									
1240104	26C21	.0T	005	S	NFF		1240104	A	I
1240110-1	26C18	1.0	010	S	+		1240116	A	
	28C18	1.0T	015	S	+		1240110	A	
B24									
1240300	25C04	1.4	010	L	.		1220310	A	
	25C21	7.3	020	S	FF		1240300	A	
	26D44	8.7T	025	L	.		1246504	A	
NB24									
1240304	25C27	.0T	005	S	NFF		1240304	A	I
C24									
1240500	26D05	.0T	005	S	B		1240500	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D24									
1241300	26D28	.9	010	S	FF		1241300	A	
	26D39	.8	020	L	.		1250502	A	
	25D36	1.7T	025	L	.		1230500	A	
FP24									
1242100	04D43	1.8	005	T	T			A	
	01D47	12.5	010	L	.		1646506	A	
	26D47	7.4	020	L	.		1246506	A	
	28C31	.6	030	L	.		1240114	A	
	29C26	9.8	040	L	.		1550312	A	
	18B37	7.5	045	S	B		1242100	A	
	32B26	39.6T	050	C	C		1242100	A	
G24									
1242500	26D04	4.6	010	S	B		1242500	A	
	29D46	4.6T	015	L	.		4500400	A	
K24									
1242750	29D26	2.4	010	S	B		1242750	A	
	26D38	2.4T	015	L	.		1246500	A	
PR24									
1245500	23D12	2.6	010	L	.		6900214	A	
	26D01	4.6	020	S	B		1245500	A	
	29D43	7.2	025	L	.		4500401	A	
	32C37	14.4T	030	T	T			A	
S24									
1246500	19B47	.7	005	T	T			A	
	18B46	7.3	010	L	.		1242100	A	
	28C05	2.1	020	L	.		1240110	A	
	28C33	3.2	030	L	.		1280114	A	
	23C43	1.3	040	L	.		1230110	A	
	26C42	3.5	050	L	.		1200116	A	
	26D17	18.1T	055	S	B		1246502	A	
A25									
1250100	30C14	6.9	010	S	FF		1250100	A	
	26D13	.6	020	L	.		1251310	A	
	26D18	7.5T	025	L	.		1250140	A	
NA25									
1250104	30C12	.0T	005	S	NFF		1250104	A	I
1250110-1	28C13	1.1	010	S	+		1250114	A	
	30C11	1.1T	015	S	+		1250116	A	
B25									
1250300	20C03	2.3	010	S	FF		1250300	A	
	25C02	1.2	020	L	.		1230310	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1260104	30C05	.0T	005	S	NFF		1260104	A	I
1260110-1	28C11	1.6	010	S	+		1260114	A	
	30C03	1.6T	015	S	+		1260110	A	
B26									
1260300	20C07	3.3	010	S	FF		1260300	A	
	25C20	8.0	020	L	.		1240310	A	
	27D44	11.3T	025	L	.		1266504	A	
NB26									
1260304	20C15	.0T	005	S	NFF		1260304	A	I
C26									
1260500	27D05	.0T	005	S	B		1260500	A	I
D26									
1261300	26D36	.8	010	L	.		1250500	A	
	27D39	.9	020	L	.		1270502	A	
	27D28	1.7T	030	S	FF		1261300	A	
FP26									
1262100	04D44	.9	005	T	T			A	
	02D47	12.5	010	L	.		1666506	A	
	27D47	6.2	020	L	.		1266506	A	
	29C44	1.2	030	L	.		1530312	A	
	28C34	10.2	040	L	.		1260114	A	
	18B34	7.4	045	S	B		1262100	A	
	32B28	38.4T	050	C	C		1262100	A	
G26									
1262500	27D04	4.4	010	S	B		1262500	A	
	29D50	4.4T	015	L	.		4500401	A	
K26									
1262750	29D25	2.2	010	S	B		1262750	A	
	27D38	2.2T	015	L	.		1266500	A	
PR26									
1265500	23D14	3.2	010	L	.		6900214	A	
	27D01	3.8	020	S	B		1265500	A	
	29D39	7.2	025	L	.		4500402	A	
	32C33	14.2T	030	T	T			A	
S26									
1266500	19B40	.5	005	T	T			A	
	18B40	8.8	010	L	.		1262100	A	
	28C19	1.9	020	L	.		1300114	A	
	28C45	1.1	030	L	.		1250110	A	
	26C47	3.5	040	L	.		1220116	A	
	27D17	15.8T	045	S	I		1266500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
A27									
1270100	30C02	7.3	010	S	FF		1270100	A	
	27D13	.6	020	L	.		1271310	A	
	27D18	7.9T	025	L	.		1270140	A	
NA27									
1270104	30C21	.0T	005	S	NFF		1270104	A	I
1270110-1	28C38	2.5	010	S	+		1270110	A	
	30C18	2.5T	015	S	+		1270110	A	
B27									
1270300	20C08	.8	010	L	.		1250310	A	
	20C17	10.5	020	S	.		1270300	A	
	27D42	11.3T	025	L	.		1276504	A	
NB27									
1270304	20C19	.0T	005	S	NFF		1270304	A	I
C27									
1270500	27D15	.0T	005	S	B		1270500	A	I
D27									
1271300	27D23	.8	010	S	FF		1271300	A	
	27D30	2.0	020	L	.		1260500	A	
	30D35	2.8T	025	L	.		1280502	A	
FP27									
1272100	04D33	1.0	005	T	T			A	
	02D33	12.5	010	L	.		1676506	A	
	27D33	5.0	020	L	.		1276506	A	
	29C46	1.8	030	L	.		1520312	A	
	28C28	9.6	040	L	.		1270114	A	
	18B35	7.4	045	S	B		1272100	A	
	32B29	37.3T	050	C	C		1272100	A	
G27									
1272500	27D06	4.2	010	S	B		1272500	A	
	29D47	4.2T	015	L	.		4500402	A	
K27									
1272750	19D20	5.9	010	S	B		1272750	A	
	27D46	1.3	020	L	.		1276500	A	
	29D42	7.5	025	L	.		1242751	A	
	32C35	14.7T	030	T	T			A	
PR27									
1275500	23D15	2.7	010	L	.		6900214	A	
	27D02	4.0	020	S	B		1275500	A	
	29D41	6.9	025	L	.		1242751	A	
	32C39	13.6T	030	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
S27									
1276500	19838	.3	005	T	T				A
	18839	8.0	010	L	.		1272100		A
	26C24	1.5	020	L	.		1230116		A
	28C21	2.0	030	L	.		1310114		A
	28C44	3.6	040	L	.		1260110		A
	27D19	15.4T	045	S	I		1276500		A
A28									
1280100	30C30	3.9	010	S	FF		1280100		A
	30D12	.9	020	L	.		1281310		A
	30D24	4.8T	025	L	.		1280140		A
NA28									
1280104	30C29	.0T	005	S	NFF		1280104	A	I
1280110-1	28C39	1.1	010	S	+		1280112	A	
	30C41	1.1T	015	S	+		1280116	A	
B28									
1280300	20C04	1.4	010	L	.		1260310	A	
	20C21	6.0	020	S	FF		1280300	A	
	30C35	6.2	030	L	.		1310116	A	
	30D44	13.6T	035	L	.		1286504	A	
NB28									
1280304	20C27	.0T	005	S	NFF		1280304	A	I
C28									
1280500	30D05	.0T	005	S	B		1280500	A	I
D28									
1281300	27D36	1.8	010	L	.		1270500	A	
	30039	.9	020	L	.		1290502	A	
	30D28	2.7T	025	S	FF		1281300	A	
FP28									
1282100	04D42	1.5	005	T	T				A
	06D47	12.0	010	L	.		1686506	A	
	30D47	7.9	020	L	.		1286506	A	
	28C26	4.0	030	L	.		1280114	A	
	22C40	8.9	040	L	.		1510350	A	
	18818	7.9	045	S	B		1282100	A	
	32B30	42.2T	050	C	C		1282100	A	
G28									
1282500	30D04	.6	010	S	B		1282500	A	
	29D02	.6T	015	L	.		4500450	A	
K28									
1282750	29D19	1.8	010	S	B		1282750	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	30D38	1.8T	015	L	.		1286500	A	
PR28									
1285500	29D12	.8	010	L	.		6900216	A	
	29D05	.8	020	L	.		4500451	A	
	30D01	4.3	025	S	B		1285500	A	
	32C27	5.9T	030	T	T			A	
S28									
1286500	19B21	.7	005	T	T			A	
	18B20	7.7	010	L	.		1282100	A	
	22C26	2.3	020	L	.		1480350	A	
	26C25	1.7	030	L	.		1240116	A	
	28C35	4.9	040	L	.		1270110	A	
	30D17	17.3T	045	S	I		1286500	A	
A29									
1290100	30C31	3.9	010	S	FF		1290100	A	
	30D13	.6	020	L	.		1291310	A	
	30D18	4.5T	025	L	.		1290140	A	
NA29									
1290104	30C26	.0T	005	S	NFF		1290104	A	I
1290110-1	28C41	1.2	010	S	+		1290110	A	
	30C46	1.2T	015	S	+		1290110	A	
B29									
1290300	18C03	.8	010	S	FF		1290300	A	
	20C02	1.2	020	L	.		1270310	A	
	20C18	7.3	030	L	.		1280310	A	
	30C47	5.1	040	L	.		1300116	A	
	30D42	14.4T	045	L	.		1296504	A	
NB29									
1290304	18C05	.0T	005	S	NFF		1290304	A	I
C29									
1290500	30D15	.0T	005	S	B		1290500	A	I
D29									
1291300	30D23	.8	010	S	FF		1291300	A	
	30D30	1.0	020	L	.		1280500	A	
	31D35	1.8T	025	L	.		1300502	A	
FP29									
1292100	04D34	1.3	005	T	T			A	
	06D33	12.0	010	L	.		1696506	A	
	30D33	7.0	020	L	.		1296506	A	
	28C24	4.3	030	L	.		1290114	A	
	22C42	9.3	040	L	.		1500350	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	18B13	8.3	045	S	B		1292100	A	
	32B31	42.2T	050	C	C		1292100	A	
G29									
1292500	30D06	.6	010	S	B		1292500	A	
	29D04	.6T	015	L	.		4500451	A	
K29									
1292750	29D18	2.6	010	S	B		1292750	A	
	30D46	2.6T	015	L	.		1296500	A	
PR29									
1295500	29D10	.3	010	L	.		4500451	A	
	29D13	1.0	020	L	.		6900216	A	
	30D02	4.3	025	S	B		1295500	A	
	32C28	5.6T	030	T	T			A	
S29									
1296500	19B02	.3	005	T	T			A	
	18B03	9.0	010	L	.		1292100	A	
	22C28	4.0	020	L	.		1490350	A	
	28C14	1.3	030	L	.		1280110	A	
	30C13	5.7	040	L	.		1250116	A	
	30D19	20.3T	045	S	I		1296500	A	
A30									
1300100	30C27	4.5	010	S	FF		1300100	A	
	31D12	.9	020	L	.		1301310	A	
	31D24	5.4T	025	L	.		1300140	A	
NA30									
1300104	30C28	.0T	005	S	NFF		1300104	A	I
1300110-1	28C42	1.6	010	S	+		1300110	A	
	30C50	1.6T	015	S	+		1300110	A	
B30									
1300300	18C07	1.8	010	S	FF		1300300	A	
	20C20	6.8	020	L	.		1280310	A	
	30C43	5.7	030	L	.		1290116	A	
	31D44	14.3T	035	L	.		1306504	A	
NB30									
1300304	18C15	.0T	005	S	NFF		1300304	A	I
C30									
1300500	31D05	.0T	005	S	B		1300500	A	I
D30									
1301300	31D28	.9	010	S	FF		1301300	A	
	31D39	.8	020	L	.		1310502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	30D36	1.7T	025	L	.	.	1290500	A	
FP30 1302100	12D42	2.6	005	T	T	.		A	
	07D47	12.0	010	L	.	.	1706506	A	
	31D47	8.1	020	L	.	.	1306506	A	
	28C29	3.3	030	L	.	.	1300114	A	
	22C30	8.4	040	L	.	.	1490350	A	
	18B14	8.5	045	S	B	.	1302100	A	
	32B33	42.9T	050	C	C	.	1302100	A	
G30 1302500	31D04	1.1	010	S	B	.	1302500	A	
	29D01	1.1T	015	L	.	.	4500451	A	
K30 1302750	29D20	2.3	010	S	B	.	1302750	A	
	31D38	2.3T	015	L	.	.	1306500	A	
PR30 1305500	29D14	.6	010	L	.	.	6900216	A	
	29D09	1.6	020	L	.	.	4500452	A	
	31D01	3.6	025	S	B	.	1305500	A	
	32C29	5.8T	030	T	T	.		A	
S30 1306500	19B08	.5	005	T	T	.		A	
	18B08	4.8	010	L	.	.	1302100	A	
	18C02	4.4	020	L	.	.	1310310	A	
	22C34	5.2	030	L	.	.	1500350	A	
	28C04	2.5	040	L	.	.	1290110	A	
	30C24	5.3	050	L	.	.	1260116	A	
	31D17	22.7T	055	S	I	.	1306500	A	
A31 1310100	30C33	4.2	010	S	FF	.	1310100	A	
	31D13	.6	020	L	.	.	1311310	A	
	31D18	4.8T	025	L	.	.	1310140	A	
NA31 1310104	30C34	.0T	005	S	NFF	.	1310104	A	I
1310110-1	28C06	3.6	010	S	+	.	1310110	A	
	30C39	3.6T	015	S	+	.	1310110	A	
B31 1310300	18C08	.8	010	L	.	.	1290310	A	
	18C17	7.7	020	S	FF	.	1310300	A	
	30C42	5.7	030	L	.	.	1280116	A	
	31D42	14.2T	035	L	.	.	1316504	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1461300	25A47	.3	005	T	T			A	
	25A44	3.4	010	L	.		7673000	A	
	18A43	3.5	015	L	.		4380800	A	
	16A09	1.8	020	L	.		3306720	A	
	13A13	1.8	030	L	.		1461340	A	
	10A09	2.1	040	L	.		4380500	A	
	12A26	5.2	045	C	C		1461300	A	
	12B26	.6	046	C	C		1461300	A	
	11B28	.1	050	S	FF		1461300	A	
	11B30	.5	060	L	.		1460500	A	
	11B35	.3	070	L	.		1460502	A	
	11B39	4.0	080	L	.		1470502	A	
	17B22	23.6T	085	L	.		1202102	A	
ND46-1									
1461340	13A15	1.7	010	S	I		1461340	A	
	16A20	5.4	020	L	.		3306710	A	
	25A11	3.8	025	L	.		7670520	A	
	20A29	10.9T	030	T	T			A	
G46									
1462500	11B04	6.0	010	S	B		1462500	A	
	03B35	6.0T	015	L	.		1470180	A	
K46									
1462750	19B26	4.4	005	T	T			A	
	27B20	3.9	010	L	.		1462760	A	
	20B14	4.4	020	L	.		7670154	A	
	13B02	3.7	030	L	.		1462755	A	
	11B38	2.0	040	L	.		1466501	A	
	08B29	12.2	050	L	.		7670152	A	
	05D28	30.6T	055	S	B		1462750	A	
NK46									
1462755	13B05	7.1	010	S	I		1462755	A	
	03B33	3.9	015	L	.		1470170	A	
	05C04	11.0T	020	T	T			A	
K46-1									
1462760	27B05	2.5	010	S	B		1462760	A	
	22B05	5.2	012	C	C			A	
	22A05	9.0	013	C	C			A	
	10A45	1.0	015	L	.		7591300	A	
	08A45	17.7T	020	T	T			A	
K46-2									
1462770	27B18	.0T	005	S	B		1462770	A	I
PR46									
1465500	11B01	6.1	010	S	B		1465500	A	
	03B29	11.4	020	L	.		1470170	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05D30	.7	025	L	.	7670173	A	
		04D37	18.2T	030	T	T		A	
S46									
1466500	11B17	7.9	010	S	I		1466501	A	
	15C28	6.7	015	S	I		1466000	A	
	02C23	1.2	025	L	.		1500114	A	
	02C08	15.8T	030	L	.		1480112	A	
A47									
1470100	08A04	1.5	005	T	T			A	
	10A01	2.6	010	L	.		4380400	A	
	11A29	3.5	020	L	.		3160000	A	
	16A12	2.8	030	L	.		3306720	A	
	15A47	6.6	040	L	.		6850760	A	
	23A08	5.6	042	L	.		7672000	A	
	12A13	5.2	045	C	C		1470100	A	
	12B13	.5	046	C	C		1470100	A	
	11B13	.2	050	L	.		1471310	A	
	11B12	9.8	060	L	.		1461310	A	
	01C06	38.3T	065	S	FF		1470100	A	
NA47									
1470104	20A08	1.6	005	T	T			A	
	17A06	2.3	020	L	.		7660200	A	
	15A27	2.2	030	L	.		3970000	A	
	11A26	.3	040	L	.		7591800	A	
	11A22	.6	050	L	.		3160100	A	
	10A20	2.2	060	L	.		4380300	A	
	12A04	5.2	065	C	C		1470104	A	
	12B04	.5	066	C	C		1470104	A	
	13B04	11.2	070	L	.		1470137	A	
	01C07	26.1T	075	S	NFF		1470104	A	
A47-1									
1470137	11B24	.4	010	L	.		1470145	A	
	11B18	1.0	020	L	.		1470140	A	
	13B18	.7	025	S	I		1470137	A	
	14B19	2.1T	030	T	T			A	
(S/A47/1)									
1470150	05C25	2.4	005	T	T			A	
	01C19	7.7	010	L	.		1470110	A	
	15C06	9.1	020	S	I		1470154	A	
	10D24	19.2T	025	S	B		1470150	A	
(S/A47/2)									
1470170	03B24	5.0	010	S	B		1470170	A	
	01C08	3.2	015	L	.		1470110	A	
	05C24	8.2T	020	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
C47									
1470500	11B15	.0T	005	S	B		1470500	A	I
D47									
1471300	20A25	2.4	005	T	T			A	
	16A19	2.1	010	L	.		3306710	A	
	13A12	3.1	020	L	.		1471340	A	
	11A40	2.0	030	L	.		3980050	A	
	12A23	5.2	035	C	C		1471300	A	
	12B23	.5	036	C	C		1471300	A	
	11B23	1.4	040	S	FF		1471300	A	
	10B35	16.7T	045	L	.		1480502	A	
ND47-1									
1471340	08A29	1.9	005	T	T			A	
	11A20	1.9	010	L	.		3980100	A	
	13A11	1.3	020	S	I		1471340	A	
	16A10	5.1T	025	L	.		3306720	A	
G47									
1472500	11B06	16.5	010	S	B		1472500	A	
	05D46	16.5T	015	L	.		1462750	A	
K47									
1472750	05D26	12.0	010	S	B		1472750	A	
	11B46	12.0T	015	L	.		1476502	A	
PR47									
1475500	11B02	16.3	010	S	B		1475500	A	
	05D43	16.3T	015	L	.		1462752	A	
S47									
1476500	14B47	.5	005	T	T			A	
	15B47	2.0	010	L	.		1002102	A	
	11B47	5.4	020	L	.		1466506	A	
	03B30	3.7	040	L	.		1470180	A	
	02C07	1.3	050	L	.		1480112	A	
	02C25	2.1	060	L	.		1510114	A	
	02C50	12.3	065	L	.		7690000	A	
	11B19	27.3T	070	S	I		1476500	A	
A48									
1480100	08A35	1.6	005	T	T			A	
	11A30	1.8	010	L	.		3160000	A	
	12A12	5.2	015	C	C			A	
	12B12	1.0	016	C	C			A	
	10B12	.9	020	L	.		1481310	A	
	10B24	8.1	030	L	.		1480140	A	
	01C02	18.6T	035	S	FF		1480100	A	
1480110-1	01C18	.5	010	S	+		1480116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		02C18	.5T	015	S	+	1480112	A	
B48									
1480300	14842	2.1	005	T	T			A	
	10844	12.8	010	L	.		1486504	A	
	16033	1.8	020	L	.		1080350	A	
	19029	8.7	025	L	.		5810300	A	
	28C43	1.6	030	L	.		1310110	A	
	31C41	27.0T	035	S	FF		1480300	A	
NB48									
1480304	31C43	10.6	005	S	NFF		1480304	A	
	19D35	.3	020	L	.		5810300	A	
	20D34	10.9T	030	T	T			A	
(S/B48/1)									
1480350	22C46	4.5	010	S	B		1480350	A	
	31C46	4.5T	015	L	.		1480312	A	
C48									
1480500	10805	.0T	005	S	B		1480500	A	I
D48									
1481300	08A44	2.0	005	T	T			A	
	11A41	3.5	007	L	.		3980050	A	
	13A04	2.1	010	L	.		3905000	A	
	12A29	5.2	025	C	C			A	
	12B29	1.2	026	C	C			A	
	10B28	.9	030	S	FF		1481300	A	
	10B39	.4	040	L	.		1490502	A	
	11B36	15.3T	045	L	.		1470500	A	
G48									
1482500	10804	4.1	010	S	B		1482500	A	
	08B46	4.1T	015	L	.		4500500	A	
K48									
1482750	08B26	1.9	010	S	B		1482750	A	
	10B38	5.5	020	L	.		1486502	A	
	15C08	9.5	030	L	.		1470154	A	
	10D35	1.0	035	L	.		1470152	A	
	12D35	17.9T	040	T	T			A	
PR48									
1485500	10801	4.1	010	S	B		1485500	A	
	08B43	6.4	020	L	.		4500502	A	
	15C14	8.6	030	L	.		1470154	A	
	10D29	1.0	035	L	.		1470150	A	
	12D29	20.1T	040	T	T			A	
S48									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1486500	14B45	1.1	005	T	T				A
	16B47	9.1	010	L	.		1082102		A
	02C05	2.1	030	L	.		1480110		A
	02C33	10.4	035	L	.		1520114		A
	10B17	22.7T	040	S	I		1486500		A
A49									
1490100	08A36	2.1	005	T	T				A
	11A31	1.5	010	L	.		3160000		A
	12A14	5.2	015	C	C				A
	12B14	.9	016	C	C				A
	10B13	.6	020	L	.		1491310		A
	10B18	8.7	030	L	.		1490140		A
	01C04	19.0T	035	S	FF		1490100		A
1490110-1	01C03	1.2	010	S	+		1490116		A
	02C13	1.2T	015	S	+		1490114		A
B49									
1490300	10B42	15.5	010	L	.		1496504		A
	31C37	.6	020	S	FF		1490300		A
	31C45	8.0	030	L	.		1480310		A
	23D29	3.4	035	L	.		5810100		A
	20D03	27.5T	040	T	T				A
NB49									
1490304	31C39	8.9	010	S	NFF		1490304		A
	23D35	3.4	015	L	.		5810100		A
	20D09	12.3T	020	T	T				A
(S/B49/1)									
1490350	22C47	4.4	010	S	B		1490350		A
	31C44	4.4T	015	L	.		1490312		A
C49									
1490500	10B15	.0T	005	S	B		1490500		A
D49									
1491300	08A50	2.1	005	T	T				A
	11A42	4.2	007	L	.		3980050		A
	13A03	2.3	010	L	.		3905010		A
	12A24	5.2	025	C	C				A
	12B24	.9	026	C	C				A
	10B23	.8	030	S	FF		1491300		A
	10B30	.6	040	L	.		1480500		A
	09B35	16.1T	045	L	.		1500502		A
G49									
1492500	10B06	3.8	010	S	B		1492500		A
	08B44	3.8T	015	L	.		4500501		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
K49									
1492750	10846	2.3	010	L	.		1496500	A	
	08827	2.3T	020	S	B		1492750	A	
PR49									
1495500	08840	3.8	010	L	.		4500502	A	
	10802	3.8T	020	S	B		1495500	A	
S49									
1496500	10819	9.1	005	S	I		1496500	A	
	02C17	.6	010	L	.		1480110	A	
	02C09	10.8	020	L	.		1530114	A	
	16B24	1.0	040	L	.		1092102	A	
	14B24	21.5T	050	T	T			A	
A50									
1500100	08A37	1.8	005	T	T			A	
	11A33	1.8	010	L	.		3160000	A	
	12A15	5.2	015	C	C			A	
	12B15	1.8	016	C	C			A	
	09B12	.9	020	L	.		1501310	A	
	09B24	8.5	030	L	.		1500140	A	
	01C14	20.0T	035	S	FF		1500100	A	
1500110-1	01C11	.5	010	S	+		1500110	A	
	02C11	.5T	015	S	+		1500112	A	
B50									
1500300	09B44	13.7	010	L	.		1506504	A	
	31C10	1.8	020	L	.		1100312	A	
	31C33	15.5T	025	S	FF		1500300	A	
NB50									
1500304	31C35	.0T	005	S	NFF		1500304	A	I
(S/B50/1)									
1500350	22C44	5.5	010	S	B		1500350	A	
	31C30	5.5T	015	L	.		1500312	A	
C50									
1500500	09B05	.0T	005	S	B		1500500	A	I
D50									
1501300	20A03	3.7	005	T	T			A	
	13A02	3.8	010	L	.		3905020	A	
	11A43	1.2	020	L	.		3980050	A	
	12A30	5.2	025	C	C			A	
	12B30	1.6	026	C	C			A	
	09B28	.9	030	S	FF		1501300	A	
	09B39	.4	040	L	.		1510502	A	
	10B36	16.8T	045	L	.		1490500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
G50									
1502500	09B04	3.9	010	S	B		1502500	A	
	08B50	3.9T	015	L	.		4500501	A	
K50									
1502750	08B25	1.3	010	S	B		1502750	A	
	09B38	1.3T	015	L	.		1506502	A	
PR50									
1505500	09B01	3.3	010	S	B		1505500	A	
	08B39	3.3T	015	L	.		4500502	A	
S50									
1506500	14B43	1.0	005	T	T			A	
	16B43	10.4	010	L	.		1102102	A	
	02C19	1.9	030	L	.		1540114	A	
	02C45	10.8	035	L	.		1490110	A	
	09B17	24.1T	040	S	B		1506502	A	
A51									
1510100	08A33	1.4	005	T	T			A	
	11A34	2.0	010	L	.		3160000	A	
	12A17	5.2	015	C	C			A	
	12B17	1.8	016	C	C			A	
	09B13	.6	020	L	.		1511310	A	
	09B18	10.1	030	L	.		1510140	A	
	01C33	21.1T	035	S	FF		1510100	A	
1510110-1	01C39	.3	010	S	+		1510116	A	
	02C38	.3T	015	S	+		1510112	A	
B51									
1510300	09B42	15.1	010	L	.		1516504	A	
	31C25	.3	020	L	.		1110312	A	
	31C29	15.4T	025	S	FF		1510300	A	
NB51									
1510304	31C31	.0T	005	S	NFF		1510304	A	I
(S/B51/1)									
1510350	22C45	5.6	010	S	B		1510350	A	
	31C26	5.6T	015	L	.		1510312	A	
C51									
1510500	09B15	.0T	005	S	B		1510500	A	I
D51									
1511300	20A01	3.5	005	T	T			A	
	13A01	4.5	010	L	.		3905030	A	
	11A44	2.2	020	L	.		3980050	A	
	12A25	5.2	025	C	C			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12B25	1.6	026	C	C			A
		09B23	.8	030	S	FF	1511300		A
		09B30	1.1	040	L	.	1500500		A
		07B35	18.9T	045	L	.	1520502		A
G51									
1512500	09B06	3.3	010	S	B		1512500		A
	08B47	3.3T	015	L	.		4500502		A
K51									
1512750	14B17	4.9	005	T	T				A
	09B46	.8	010	L	.		1516502		A
	08B42	10.6	020	L	.		1482751		A
	05D27	16.3T	025	S	B		1512750		A
PR51									
1515500	09B02	3.1	010	S	B		1515500		A
	08B41	3.1T	015	L	.		1482751		A
S51									
1516500	14B36	1.0	005	T	T				A
	16B36	10.8	010	L	.		1112102		A
	02C21	2.0	030	L	.		1550114		A
	02C44	8.2	040	L	.		1500110		A
	10D30	11.7	045	L	.		1470152		A
	09B19	33.7T	050	S	B		1516502		A
A52									
1520100	07B12	.9	010	L	.		1521310		A
	07B24	8.7	020	L	.		1520140		A
	01C30	9.6T	025	S	FF		1520100		A
1520110-1	01C41	.6	010	S	+		1520110		A
	02C39	.6T	015	S	+		1520110		A
B52									
1520300	07B44	16.0	010	L	.		1526504		A
	31C28	1.7	020	L	.		1120312		A
	29C41	17.7T	025	S	FF		1520300		A
NB52									
1520304	29C43	.0T	005	S	NFF		1520304		A I
C52									
1520500	07B05	.0T	005	S	B		1520500		A I
D52									
1521300	07B28	.9	010	S	FF		1521300		A
	07B39	.9	020	L	.		1530502		A
	09B36	1.8T	025	L	.		1510500		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
G52									
1522500	07B04	.6	010	S	B		1522500	A	
	08B02	.6T	015	L	.		4500550	A	
K52									
1522750	08B19	2.2	010	S	B		1522750	A	
	07B38	2.2T	015	L	.		1526502	A	
PR52									
1525500	07B01	.8	010	S	B		1525500	A	
	08B05	.8T	015	L	.		4500551	A	
S52									
1526500	14B22	1.3	005	T	T			A	
	16B21	12.0	010	L	.		1122102	A	
	04C31	1.0	030	L	.		1560114	A	
	02C31	.3	040	L	.		1480114	A	
	02C35	9.1	045	L	.		1510110	A	
	07B17	23.7T	050	S	B		1526502	A	
A53									
1530100	07B13	.6	010	L	.		1531310	A	
	07B18	8.9	020	L	.		1530140	A	
	01C31	9.5T	025	S	FF		1530100	A	
1530110-1	01C46	1.1	010	S	+		1530110	A	
	02C41	1.1T	015	S	+		1530110	A	
B53									
1530300	07B42	15.9	010	L	.		1536504	A	
	31C24	1.7	020	L	.		1510310	A	
	29C37	.6	030	S	FF		1530300	A	
	29C45	18.2T	035	L	.		1130312	A	
NB53									
1530304	29C39	.0T	005	S	NFF		1530304	A	I
C53									
1530500	07B15	.0T	005	S	B		1530500	A	I
D53									
1531300	07B23	.8	010	S	FF		1531300	A	
	07B30	.6	020	L	.		1520500	A	
	06B35	1.4T	025	L	.		1540502	A	
G53									
1532500	07B06	.6	010	S	B		1532500	A	
	08B04	.6T	015	L	.		4500551	A	
K53									
1532750	08B18	2.6	010	S	B		1532750	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1546500	14B13	.8	005	T	T			A	
	16B12	10.9	010	L	.		1142102	A	
	04C08	1.3	030	L	.		1560112	A	
	02C04	2.2	040	L	.		1530110	A	
	02C34	1.0	050	L	.		1500114	A	
	04C34	7.8	055	L	.		1580114	A	
	06B17	24.0T	060	S	I		1546500	A	
A55									
1550100	06B13	.6	010	L	.		1551310	A	
	06B18	5.7	020	L	.		1550140	A	
	03C04	6.3T	025	S	FF		1550100	A	
1550110-1	02C06	1.0	010	S	+		1550114	A	
	03C03	1.0T	015	S	+		1550110	A	
B55									
1550300	06B42	15.6	010	L	.		1556504	A	
	29C25	.3	020	L	.		1150312	A	
	29C29	15.9T	025	S	FF		1550300	A	
NB55									
1550304	29C31	.0T	005	S	NFF		1550304	A	I
C55									
1550500	06B15	.0T	005	S	B		1550500	A	I
D55									
1551300	06B23	.8	010	S	FF		1551300	A	
	06B30	.6	020	L	.		1540500	A	
	05B35	1.4T	025	L	.		1560502	A	
G55									
1552500	06B06	1.0	010	S	B		1552500	A	
	08B06	1.0T	015	L	.		4500552	A	
K55									
1552750	05C12	7.0	005	T	T			A	
	08B08	3.8	010	L	.		1522751	A	
	06B46	9.1	020	L	.		1556500	A	
	05D25	19.9T	025	S	B		1552750	A	
PR55									
1555500	06B02	1.5	010	S	B		1555500	A	
	08B07	1.5T	015	L	.		1522751	A	
S55									
1556500	14B11	1.0	005	T	T			A	
	16B11	10.9	010	L	.		1152102	A	
	04C07	1.8	030	L	.		1560112	A	
	04C28	1.0	040	L	.		1590114	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1	8	15	21	28	33	37	41	77	
	02C28	.6	050	L	.		1510114	A	
	02C36	8.8	055	L	.		1540110	A	
	06B19	24.1T	060	S	I		1556500	A	
A56									
1560100	05B12	.9	010	L	.		1561310	A	
	05B24	6.6	020	L	.		1560140	A	
	03C33	7.5T	025	S	FF		1560100	A	
NA56									
1560104	03C34	.0T	005	S	NFF		1560104	A	I
1560110-1	03C39	1.8	010	S	+		1560116	A	
	04C18	1.8T	015	S	+		1560112	A	
B56									
1560300	05B44	16.0	010	L	.		1566504	A	
	29C28	1.7	020	L	.		1160312	A	
	27C41	17.7T	025	S	FF		1560300	A	
NB56									
1560304	27C43	.0T	005	S	NFF		1560304	A	I
C56									
1560500	05B05	.0T	005	S	B		1560500	A	I
D56									
1561300	05B28	.9	010	S	FF		1561300	A	
	05B39	.4	020	L	.		1570502	A	
	06B36	1.3T	025	L	.		1550500	A	
G56									
1562500	05B04	4.1	010	S	B		1562500	A	
	03B46	4.1T	015	L	.		4500600	A	
K56									
1562750	03B26	1.9	010	S	B		1562750	A	
	05B38	1.9T	015	L	.		1566500	A	
PR56									
1565500	05B01	4.1	010	S	B		1565500	A	
	03B43	4.1T	015	L	.		4500601	A	
S56									
1566500	19B45	1.1	005	T	T			A	
	17B47	8.6	010	L	.		1162102	A	
	04C05	1.8	030	L	.		1560110	A	
	04C26	1.0	040	L	.		1600114	A	
	02C26	1.4	050	L	.		1520114	A	
	02C43	8.7	055	L	.		1550110	A	
	05B17	22.6T	060	S	I		1566500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
A57									
1570100	05B13	.6	010	L	.	.	1571310	A	
	05B18	5.0	020	L	.	.	1570140	A	
	03C02	5.6T	025	S	FF	.	1570100	A	
NA57									
1570104	03C21	.0T	005	S	NFF	.	1570104	A	I
1570110-1	03C18	1.1	010	S	+	.	1570110	A	
	04C13	1.1T	015	S	+	.	1570110	A	
B57									
1570300	05B42	15.9	010	L	.	.	1576504	A	
	29C24	1.7	020	L	.	.	1550310	A	
	27C37	.6	030	S	FF	.	1570300	A	
	27C45	18.2T	035	L	.	.	1170312	A	
NB57									
1570304	27C39	.0T	005	S	NFF	.	1570304	A	I
C57									
1570500	05B15	.0T	005	S	B	.	1570500	A	I
D57									
1571300	05B23	.8	010	S	FF	.	1571300	A	
	05B30	.6	020	L	.	.	1560500	A	
	04B35	1.4T	025	L	.	.	1580502	A	
G57									
1572500	05B06	3.8	010	S	B	.	1572500	A	
	03B44	3.8T	015	L	.	.	4500601	A	
K57									
1572750	03B27	2.3	010	S	B	.	1572750	A	
	05B46	2.3T	015	L	.	.	1576500	A	
PR57									
1575500	05B02	3.8	010	S	B	.	1575500	A	
	03B40	3.8T	015	L	.	.	4500602	A	
S57									
1576500	19B22	1.1	005	T	T	.		A	
	17B24	10.9	010	L	.	.	1172102	A	
	04C17	.8	030	L	.	.	1560110	A	
	04C24	1.0	040	L	.	.	1610114	A	
	02C24	7.4	045	L	.	.	1530114	A	
	05B19	21.2T	050	S	I	.	1576500	A	
A58									
1580100	04B12	.9	010	L	.	.	1581310	A	
	04B24	5.0	020	L	.	.	1580140	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03C14	5.9T 025	S	FF		1580100	A	
NA58									
1580104		03C12	.0T 005	S	NFF		1580104	A	I
1580110-1		03C11	.5 010	S	+		1580116	A	
		04C11	.5T 015	S	+		1580114	A	
B58									
1580300		04B44	14.2 010	L	.		1586504	A	
		27C10	1.8 020	L	.		1180312	A	
		27C33	16.0T 025	S	FF		1580300	A	
NB58									
1580304		27C35	.0T 005	S	NFF		1580304	A	I
C58									
1580500		04B05	.0T 005	S	B		1580500	A	I
D58									
1581300		04B28	.9 010	S	FF		1581300	A	
		04B39	.4 020	L	.		1590502	A	
		05B36	1.3T 025	L	.		1570500	A	
G58									
1582500		04B04	3.9 010	S	B		1582500	A	
		03B50	3.9T 015	L	.		4500601	A	
K58									
1582750		03B25	1.3 010	S	B		1582750	A	
		04B38	1.3T 015	L	.		1586500	A	
PR58									
1585500		04B01	3.3 010	S	B		1585500	A	
		03B39	3.3T 015	L	.		4500602	A	
S58									
1586500		19B43	1.0 005	T	T			A	
		17B43	11.7 010	L	.		1182102	A	
		02C29	1.0 030	L	.		1540114	A	
		04C29	1.2 040	L	.		1620114	A	
		04C45	7.3 045	L	.		1570110	A	
		04B17	22.2T 050	S	I		1586500	A	
A59									
1590100		04B13	.6 010	L	.		1591310	A	
		04B18	6.6 020	L	.		1590140	A	
		03C30	7.2T 025	S	FF		1590100	A	
NA59									
1590104		03C29	.0T 005	S	NFF		1590104	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1590110-1	03C41	.4	010	S	+		1590116	A	
	04C38	.4T	015	S	+		1590114	A	
B59									
1590300	04B42	15.6	010	L	.		1596504	A	
	27C25	.3	020	L	.		1190312	A	
	27C29	15.9T	025	S	FF		1590300	A	
NB59									
1590304	27C31	.0T	005	S	NFF		1590304	A	I
C59									
1590500	04B15	.0T	005	S	B		1590500	A	I
D59									
1591300	02B35	1.1	010	L	.		1600502	A	
	04B30	.8	020	L	.		1580500	A	
	04B23	1.9T	025	S	FF		1591300	A	
G59									
1592500	04B06	3.3	010	S	B		1592500	A	
	03B47	3.3T	015	L	.		4500602	A	
K59									
1592750	05C05	3.6	005	T	T			A	
	03B42	.8	010	L	.		1562751	A	
	04B46	9.1	020	L	.		1596500	A	
	05D19	13.5T	025	S	B		1592750	A	
PR59									
1595500	04B02	3.1	010	S	B		1595500	A	
	03B41	3.1T	015	L	.		1562751	A	
S59									
1596500	19B35	1.3	005	T	T			A	
	17B36	10.8	010	L	.		1192102	A	
	04C27	1.0	030	L	.		1630114	A	
	02C27	2.1	040	L	.		1550114	A	
	04C44	7.4	045	L	.		1580110	A	
	04B19	22.6T	050	S	I		1596500	A	
A60									
1600100	02B12	.9	010	L	.		1601310	A	
	02B24	6.4	020	L	.		1600140	A	
	03C31	7.3T	025	S	FF		1600100	A	
NA60									
1600104	03C26	.0T	005	S	NFF		1600104	A	I
1600110-1	03C46	1.3	010	S	+		1600116	A	
	04C39	1.3T	015	S	+		1600112	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
B60									
1600300	02B44	16.5	010	L	.		1606504	A	
	27C28	1.7	020	L	.		1200312	A	
	25C41	18.2T	025	S	FF		1600300	A	
NB60									
1600304	25C43	.0T	005	S	NFF		1600304	A	I
C60									
1600500	02B05	.0T	005	S	B		1600500	A	I
D60									
1601300	02B28	.9	010	S	FF		1601300	A	
	02B39	.9	020	L	.		1610502	A	
	04B36	1.8T	025	L	.		1590500	A	
G60									
1602500	02B04	.6	010	S	B		1602500	A	
	03B02	.6T	015	L	.		4500700	A	
K60									
1602750	03B19	2.2	010	S	B		1602750	A	
	02B38	2.2T	015	L	.		1606500	A	
PR60									
1605500	02B01	.8	010	S	B		1605500	A	
	03B05	.8T	015	L	.		4500701	A	
S60									
1606500	19B19	1.1	005	T	T			A	
	17B21	12.1	010	L	.		1202102	A	
	04C22	1.1	030	L	.		1560114	A	
	04C35	2.8	040	L	.		1590110	A	
	09C31	9.8	045	L	.		1640114	A	
	02B17	26.9T	050	S	I		1606500	A	
A61									
1610100	02B13	.6	010	L	.		1611310	A	
	02B18	6.5	020	L	.		1610140	A	
	03C27	7.1T	025	S	FF		1610100	A	
NA61									
1610104	03C28	.0T	005	S	NFF		1610104	A	I
1610110-1	03C50	1.4	010	S	+		1610116	A	
	04C41	1.4T	015	S	+		1610110	A	
B61									
1610300	02B42	16.4	010	L	.		1616504	A	
	27C24	1.7	020	L	.		1590310	A	
	25C37	.6	030	S	FF		1610300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	25C45	18.7T	035	L	.		1210312	A	
NB61 1610304	25C39	.0T	005	S	NFF		1610304	A	I
C61 1610500	02B15	.0T	005	S	B		1610500	A	I
D61 1611300	02B23	.8	010	S	FF		1611300	A	
	02B30	.6	020	L	.		1600500	A	
	01B35	1.4T	025	L	.		1620502	A	
G61 1612500	02B06	.6	010	S	B		1612500	A	
	03B04	.6T	015	L	.		4500701	A	
K61 1612750	03B18	2.6	010	S	B		1612750	A	
	02B46	2.6T	015	L	.		1616500	A	
PR61 1615500	02B02	1.1	010	S	B		1615500	A	
	03B10	1.1T	015	L	.		4500701	A	
S61 1616500	02B19	5.7	020	S	I		1616500	A	
	04C14	.4	030	L	.		1600110	A	
	04C20	3.2	040	L	.		1570114	A	
	09C30	11.3	045	L	.		1650114	A	
	17B02	1.3	050	L	.		1212102	A	
	19B01	21.9T	060	T	T			A	
A62 1620100	01B12	.9	010	L	.		1621310	A	
	01B24	8.1	020	L	.		1620140	A	
	06C27	9.0T	025	S	FF		1620100	A	
NA62 1620104	06C28	.0T	005	S	NFF		1620104	A	I
1620110-1	04C42	1.6	010	S	+		1620110	A	
	06C50	1.6T	015	S	+		1620110	A	
B62 1620300	01B44	14.7	010	L	.		1626504	A	
	25C10	1.8	020	L	.		1220312	A	
	25C33	16.5T	025	S	FF		1620300	A	
NB62 1620304	25C35	.0T	005	S	NFF		1620304	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
C62									
1620500	01B05	.0T	005	S	B		1620500	A	I
D62									
1621300	01B28	.9	010	S	FF		1621300	A	
	01B39	.4	020	L	.		1630502	A	
	02B36	1.3T	025	L	.		1610500	A	
G62									
1622500	01B04	1.5	010	S	B		1622500	A	
	03B01	1.5T	015	L	.		4500701	A	
K62									
1622750	03B20	2.3	010	S	B		1622750	A	
	01B38	2.3T	015	L	.		1626500	A	
PR62									
1625500	01B01	1.6	010	S	B		1625500	A	
	03B09	1.6T	015	L	.		4500702	A	
S62									
1626500	01B17	5.6	020	S	B		1626502	A	
	04C04	1.5	030	L	.		1610110	A	
	04C23	3.2	040	L	.		1580114	A	
	09C34	1.9	050	L	.		1660114	A	
	09C08	8.9	055	L	.		1640112	A	
	17B12	1.1	060	L	.		1222102	A	
	19B14	22.2T	070	T	T			A	
A63									
1630100	01B13	.6	010	L	.		1631310	A	
	01B18	6.7	020	L	.		1630140	A	
	06C04	7.3T	025	S	FF		1630100	A	
NA63									
1630104	06C05	.0T	005	S	NFF		1630104	A	I
1630110-1	04C06	1.5	010	S	+		1630110	A	
	06C03	1.5T	015	S	+		1630110	A	
B63									
1630300	01B42	16.1	010	L	.		1636504	A	
	25C25	.3	020	L	.		1230312	A	
	25C29	16.4T	025	S	FF		1630300	A	
NB63									
1630304	25C31	.0T	005	S	NFF		1630304	A	I
C63									
1630500	01B15	.0T	005	S	B		1630500	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
D63									
1631300	01B23	.8	010	S	FF		1631300	A	
	01B30	11.0	020	L	.		1620500	A	
	01D35	11.8T	025	L	.		1640502	A	
G63									
1632500	01B06	1.0	010	S	B		1632500	A	
	03B06	1.0T	015	L	.		4500702	A	
K63									
1632750	05C03	6.0	005	T	T			A	
	03B08	3.8	010	L	.		1602751	A	
	01B46	10.4	020	L	.		1636500	A	
	05D18	20.2T	025	S	B		1632750	A	
PR63									
1635500	01B02	1.5	010	S	B		1635500	A	
	03B07	1.5T	015	L	.		1602751	A	
S63									
1636500	01B19	7.2	020	S	B		1636502	A	
	04C25	1.1	030	L	.		1590114	A	
	04C36	3.1	040	L	.		1620110	A	
	09C28	1.8	050	L	.		1670114	A	
	09C07	8.9	055	L	.		1640112	A	
	17B11	1.1	060	L	.		1232102	A	
	19B13	23.2T	070	T	T			A	
A64									
1640100	06C33	6.4	010	S	FF		1640100	A	
	01D12	.9	020	L	.		1641310	A	
	01D24	7.3T	025	L	.		1640140	A	
NA64									
1640104	06C34	.0T	005	S	NFF		1640104	A	I
1640110-1	06C39	2.8	010	S	+		1640110	A	
	09C18	2.8T	015	S	+		1640110	A	
B64									
1640300	25C28	3.2	010	L	.		1240312	A	
	20C41	15.2	020	S	FF		1640300	A	
	01D44	18.4T	025	L	.		1646504	A	
NB64									
1640304	20C43	.0T	005	S	NFF		1640304	A	I
C64									
1640500	01D05	.0T	005	S	B		1640500	A	I
D64									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1641300	01B36	9.9	010	L	.		1630500	A	
	01D28	.9	020	S	FF		1641300	A	
	01D39	10.8T	025	L	.		1650502	A	
G64									
1642500	01D04	4.1	010	S	B		1642500	A	
	03D46	4.1T	015	L	.		4500750	A	
K64									
1642750	03D26	1.9	010	S	B		1642750	A	
	01D38	1.9T	015	L	.		1646500	A	
PR64									
1645500	01D01	4.1	010	S	B		1645500	A	
	03D43	4.1T	015	L	.		4500752	A	
S64									
1646500	19B46	.3	005	T	T			A	
	18B47	6.6	010	L	.		1242102	A	
	09C05	1.8	020	L	.		1640110	A	
	09C26	2.7	030	L	.		1680114	A	
	04C33	.7	040	L	.		1600114	A	
	04C43	4.8	050	L	.		1630110	A	
	01D17	16.9T	055	S	I		1646500	A	
A65									
1650100	06C02	8.3	010	S	FF		1650100	A	
	01D13	.6	020	L	.		1651310	A	
	01D18	8.9T	025	L	.		1650140	A	
NA65									
1650104	06C21	.0T	005	S	NFF		1650104	A	I
1650110-1	06C18	2.1	010	S	+		1650116	A	
	09C13	2.1T	015	S	+		1650112	A	
B65									
1650300	08A14	1.5	005	T	T			A	
	11A14	9.4	010	L	.		4335100	A	
	28A05	3.2	020	L	.		3800100	A	
	25A24	.7	030	L	.		7800200	A	
	26A25	5.2	035	C	C			A	
	26B25	5.9	036	C	C			A	
	25C24	3.2	040	L	.		1630310	A	
	20C37	.6	050	S	FF		1650300	A	
	20C45	14.8	060	L	.		1250312	A	
	01D42	44.5T	065	L	.		1656504	A	
NB65									
1650304	20C39	.0T	005	S	NFF		1650304	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
.C65									
1650500	01D15	.0T	005	S	B		1650500	A	I
D65									
1651300	01D23	.8	010	S	FF		1651300	A	
	01D30	1.0	020	L	.		1640500	A	
	02D35	1.8T	025	L	.		1660502	A	
G65									
1652500	01D06	3.8	010	S	B		1652500	A	
	03D44	3.8T	015	L	.		4500751	A	
K65									
1652750	03D27	2.7	010	S	B		1652750	A	
	01D46	2.7T	015	L	.		1656502	A	
PR65									
1655500	01D02	3.8	010	S	B		1655500	A	
	03D40	3.8T	015	L	.		4500752	A	
S65									
1656500	19B25	.7	005	T	T			A	
	18B24	8.9	010	L	.		1252102	A	
	09C17	.8	020	L	.		1640110	A	
	09C24	3.5	030	L	.		1690114	A	
	04C09	7.5	040	L	.		1610114	A	
	01D19	21.4T	045	S	B		1656502	A	
A66									
1660100	06C14	7.1	010	S	FF		1660100	A	
	02D12	.9	020	L	.		1661310	A	
	02D24	8.0T	025	L	.		1660140	A	
NA66									
1660104	06C12	.0T	005	S	NFF		1660104	A	I
1660110-1	06C11	1.5	010	S	+		1660116	A	
	09C11	1.5T	015	S	+		1660112	A	
B66									
1660300	20C10	1.8	010	L	.		1260312	A	
	20C33	15.3	020	S	FF		1660300	A	
	02D44	17.1T	025	L	.		1666504	A	
NB66									
1660304	20C35	.0T	005	S	NFF		1660304	A	I
C66									
1660500	02D05	.0T	005	S	B		1660500	A	I
D66									

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
1661300	02D28	.9	010	S	FF		1661300	A	
	02D39	.8	020	L	.		1670502	A	
	01D36	1.7T	025	L	.		1650500	A	
G66									
1662500	02D04	3.9	010	S	B		1662500	A	
	03D50	3.9T	015	L	.		4500751	A	
K66									
1662750	03D25	1.7	010	S	B		1662750	A	
	02D38	1.7T	015	L	.		1666502	A	
PR66									
1665500	02D01	3.3	010	S	B		1665500	A	
	03D39	3.3T	015	L	.		4500752	A	
S66									
1666500	19B42	.3	005	T	T			A	
	18B43	9.9	010	L	.		1262102	A	
	09C45	1.2	020	L	.		1650110	A	
	09C29	3.2	030	L	.		1700114	A	
	04C19	6.1	040	L	.		1620114	A	
	02D17	20.7T	045	S	I		1666500	A	
A67									
1670100	06C30	5.7	010	S	FF		1670100	A	
	02D13	.6	020	L	.		1671310	A	
	02D18	6.3T	025	L	.		1670140	A	
NA67									
1670104	06C29	.0T	005	S	NFF		1670104	A	I
1670110-1	06C41	1.4	010	S	+		1670116	A	
	09C38	1.4T	015	S	+		1670110	A	
B67									
1670300	20C25	.3	010	L	.		1270312	A	
	20C29	15.5	020	S	FF		1670300	A	
	02D42	15.8T	025	L	.		1676504	A	
NB67									
1670304	20C31	.0T	005	S	NFF		1670304	A	I
C67									
1670500	02D15	.0T	005	S	B		1670500	A	I
D67									
1671300	02D23	.8	010	S	FF		1671300	A	
	02D30	2.5	020	L	.		1660500	A	
	06D35	3.3T	025	L	.		1680502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
G67									
1672500	02D06	3.7	010	S	B		1672500	A	
	03D47	3.7T	015	L	.		4500752	A	
K67									
1672750	04D46	1.0	005	T	T			A	
	02D46	.8	010	L	.		1676500	A	
	03D42	2.6	020	L	.		1642751	A	
	05D20	4.4T	025	S	B		1672750	A	
PR67									
1675500	02D02	3.5	010	S	B		1675500	A	
	03D41	3.5T	015	L	.		1642751	A	
S67									
1676500	19B36	.5	005	T	T			A	
	18B36	8.8	010	L	.		1272102	A	
	09C27	1.5	020	L	.		1710114	A	
	09C44	4.1	030	L	.		1660110	A	
	04C21	6.1	040	L	.		1630114	A	
	02D19	21.0T	045	S	I		1676500	A	
A68									
1680100	06C31	4.1	010	S	FF		1680100	A	
	06D12	.9	020	L	.		1681310	A	
	06D24	5.0T	025	L	.		1680140	A	
NA68									
1680104	06C26	.0T	005	S	NFF		1680104	A	I
1680110-1	06C46	2.3	010	S	+		1680116	A	
	09C39	2.3T	015	S	+		1680110	A	
B68									
1680300	20C28	1.7	010	L	.		1280312	A	
	18C41	11.7	020	S	FF		1680300	A	
	06D44	13.4T	025	L	.		1686504	A	
NB68									
1680304	18C43	.0T	005	S	NFF		1680304	A	I
C68									
1680500	06D05	.0T	005	S	B		1680500	A	I
D68									
1681300	02D36	2.3	010	L	.		1670500	A	
	06D39	.9	020	L	.		1690502	A	
	06D28	3.2T	025	S	FF		1681300	A	
G68									
1682500	06D04	1.6	010	S	B		1682500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
1705500	07D01	2.6	010	S	B		1705500	A	
	03D09	2.6T	015	L	.		4500802	A	
S70									
1706500	19B12	.5	005	T	T			A	
	18B12	6.9	010	L	.		1302102	A	
	14C08	2.8	020	L	.		1000112	A	
	09C04	1.5	030	L	.		1690110	A	
	09C23	1.9	040	L	.		1660114	A	
	11C35	5.9	050	L	.		1020116	A	
	07D17	19.5T	055	S	I		1706500	A	
A71									
1710100	11C14	6.9	010	S	FF		1710100	A	
	07D13	.6	020	L	.		1711310	A	
	07D18	7.5T	025	L	.		1710140	A	
NA71									
1710104	11C12	.0T	005	S	NFF		1710104	A	I
1710110-1	09C06	1.5	010	S	+		1710114	A	
	11C11	1.5T	015	S	+		1710116	A	
B71									
1710300	18C25	.3	010	L	.		1310312	A	
	18C29	12.0	020	S	FF		1710300	A	
	07D42	12.3T	025	L	.		1716504	A	
NB71									
1710304	18C31	.0T	005	S	NFF		1710304	A	I
C71									
1710500	07D15	.0T	005	S	B		1710500	A	I
D71									
1711300	07D23	.8	010	S	FF		1711300	A	
	07D30	1.0	020	L	.		1700500	A	
	08D35	1.8T	025	L	.		1000502	A	
G71									
1712500	07D06	2.0	010	S	B		1712500	A	
	03D06	2.0T	015	L	.		4500802	A	
K71									
1712750	04D09	.3	005	T	T			A	
	05D08	2.5	010	L	.		1592752	A	
	05D42	.3	020	L	.		1472752	A	
	05D45	4.7	030	L	.		1462751	A	
	10D12	5.7	032	L	.		1712760	A	
	19D28	13.5T	035	S	B		1712750	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
K71-1									
1712760	04D10	.6	005	T	T				A
	03D08	4.8	010	L	.		1682751		A
	07D46	3.3	015	L	.		1716500		A
	10D22	8.7T	020	S	B		1712760		A
PR71									
1715500	07D02	2.1	010	S	B		1715500		A
	03D07	2.1T	015	L	.		1682751		A
S71									
1716500	19B10	.3	005	T	T				A
	18B11	6.9	010	L	.		1312102		A
	14C07	3.8	020	L	.		1000112		A
	09C25	1.1	030	L	.		1670114		A
	09C36	1.9	040	L	.		1700110		A
	11C47	5.1	050	L	.		1030116		A
	07D19	19.1T	055	S	I		1716500		A
A2831XB									
3003000	27A15	1.0	010	S	B		3003000		A
	26A18	5.2	012	C	C				A
	26B18	8.6	013	C	C				A
	30C36	2.1	015	L	.		1280116		A
	32C25	16.9T	020	T	T				A
A4851Z									
3005000	08A31	2.1	005	T	T				A
	11A23	1.4	010	L	.		3160100		A
	12A35	5.2	015	C	C				A
	12B35	8.5	016	C	C				A
	01C05	.8	020	S	-CON		3005100		A
	01C12	.8	030	S	-CON		3005200		A
	01C21	1.2	040	S	-CON		3005000		A
	01C34	20.0T	045	S	-CON		3005300		A
A5255Z									
3006000	01C26	.1	010	S	-CON		3006100		A
	01C28	.2	020	S	-CON		3006200		A
	01C29	2.8	030	S	-CON		3006000		A
	03C05	10.4	035	S	-CON		3006300		A
	13B03	.6	040	L	.		3006400		A
	14B01	14.1T	045	T	T				A
NA5255Z									
3006400	20A35	2.3	004	T	T				A
	16A36	3.1	005	L	.		4390200		A
	12A19	5.2	010	C	C				A
	12B19	.5	020	C	C				A
	13B19	11.1T	030	S	I		3006400		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
ALM									
3140000	10A06	2.6	010	L	.	.	4380300	A	
	10A39	2.8	020	L	.	.	7592300	A	
	15A35	1.6	030	S	B	.	3140000	A	
	18A30	1.2	040	L	.	.	7670184	A	
	18A17	3.0	050	L	.	.	7591700	A	
	21A37	.7	055	L	.	.	4022100	A	
	20A36	11.9T	060	T	T	.		A	
ALR									
3150000	10A11	2.3	010	L	.	.	4380500	A	
	15A10	.7	020	S	B	.	3150000	A	
	15A20	1.8	030	L	.	.	4491000	A	
	18A23	.6	040	L	.	.	7591700	A	
	18A31	2.0	050	L	.	.	7670180	A	
	21A40	.3	055	L	.	.	4082100	A	
	20A41	7.7T	060	T	T	.		A	
ASN									
3160000	11A35	.1	010	S	I	.	3160100	A	
	11A37	1.0	020	S	I	.	3160000	A	
	13A37	.7	030	L	.	.	3160200	A	
	14A30	.3	040	L	.	.	6850570	A	
	14A29	5.6	050	L	.	.	6850670	A	
	25A31	1.8	052	L	.	.	6850726	A	
	25A08	3.8	055	L	.	.	4390100	A	
	20A26	13.3T	060	T	T	.		A	
NASN									
3160200	13A36	2.0	010	S	I	.	3160200	A	
	17A36	5.6	020	L	.	.	3303830	A	
	27A31	2.8	025	L	.	.	3003000	A	
	32A35	10.4T	030	T	T	.		A	
ASPP									
3165000	13A27	1.6	010	S	I	.	3165000	A	
	16A29	6.5	020	L	.	.	7670164	A	
	27A44	.3	030	L	.	.	4095000	A	
	27A43	3.0	040	L	.	.	4091000	A	
	31A29	.4	045	L	.	.	6850622	A	
	32A30	11.8T	050	T	T	.		A	
NASPP									
3165100	17A14	4.0	005	S	I	.	3165100	A	
	10A25	1.2	010	L	.	.	7470300	A	
	11A15	1.4	020	L	.	.	7470700	A	
	13A22	1.1	030	L	.	.	3165000	A	
	15A24	2.1	040	L	.	.	3140000	A	
	17A13	2.4	060	L	.	.	7660200	A	
	21A07	1.7	070	L	.	.	4090000	A	
	23A17	5.2	080	L	.	.	7670120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	31A33	.5	085	L	.	.	6850522	A	
	32A33	19.6T	090	T	T	.		A	
NAX 3204000	27A12	1.7	010	S	B	.	3204100	A	
	27A33	3.5	020	S	B	.	3204000	A	
	21A28	.5	030	S	I	.	3204200	A	
	22A28	5.2	035	C	C	.		A	
	22B28	10.4	036	C	C	.		A	
	15C50	2.1	040	L	.	.	3205000	A	
	15C22	6.4	045	L	.	.	3208000	A	
	05C45	29.8T	050	T	T	.		A	
AX/L 3205000	11C38	.1	010	L	.	.	1020130	A	
	11C40	.3	020	L	.	.	1010130	A	
	11C44	.2	030	L	.	.	1000130	A	
	11C45	1.9	040	L	.	.	1030130	A	
	15C46	.1	050	S	I	.	3205200	A	
	15C44	.2	060	S	I	.	3205100	A	
	15C45	.5	070	S	I	.	3205000	A	
	16C45	.2	080	L	.	.	1060130	A	
	16C44	.3	090	L	.	.	1050130	A	
	16C40	.1	100	L	.	.	1040130	A	
	16C38	1.2	110	L	.	.	1070130	A	
	16C22	.2	120	L	.	.	1090130	A	
	16C23	.6	130	L	.	.	1080130	A	
	16C15	2.5	140	L	.	.	1100130	A	
	21C15	.6	150	L	.	.	1170130	A	
	21C23	.2	160	L	.	.	1160130	A	
	21C22	1.2	170	L	.	.	1150130	A	
	21C38	.1	180	L	.	.	1110130	A	
	21C40	.3	190	L	.	.	1120130	A	
	21C44	.2	200	L	.	.	1130130	A	
	21C45	2.5	210	L	.	.	1140130	A	
	26C45	.2	220	L	.	.	1220130	A	
	26C44	.3	230	L	.	.	1210130	A	
	26C40	.1	240	L	.	.	1200130	A	
	26C38	1.2	250	L	.	.	1190130	A	
	26C22	.2	260	L	.	.	1230130	A	
	26C23	.6	270	L	.	.	1240130	A	
	26C15	2.0	280	L	.	.	1180130	A	
	30C15	.6	290	L	.	.	1250130	A	
	30C23	.2	300	L	.	.	1270130	A	
	30C22	1.2	310	L	.	.	1260130	A	
	30C38	.1	320	L	.	.	1310130	A	
	30C40	.3	330	L	.	.	1280130	A	
	30C44	.2	340	L	.	.	1290130	A	
	30C45	2.1	345	L	.	.	1300130	A	
	32C26	22.8T	350	T	T	.		A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
AX-U 3207000	05C46	1.9	005	T	T				A
	01C45	.2	010	L	.		1540130		A
	01C44	.3	020	L	.		1530130		A
	01C40	.1	030	L	.		1520130		A
	01C38	1.2	040	L	.		1510130		A
	01C22	.2	050	L	.		1490130		A
	01C23	.6	060	L	.		1480130		A
	01C15	.4	070	L	.		1500130		A
	01C09	1.4	080	L	.		1470130		A
	03C15	.6	090	L	.		1580130		A
	03C23	.2	100	L	.		1570130		A
	03C22	1.2	110	L	.		1550130		A
	03C38	.1	120	L	.		1560130		A
	03C40	.3	130	L	.		1590130		A
	03C44	.2	140	L	.		1600130		A
	03C45	1.5	150	L	.		1610130		A
	06C45	.2	160	L	.		1620130		A
	06C44	.3	170	L	.		1680130		A
	06C40	.1	180	L	.		1670130		A
	06C38	1.2	190	L	.		1640130		A
	06C22	.2	200	L	.		1630130		A
	06C23	.6	210	L	.		1650130		A
	06C15	2.5	220	L	.		1660130		A
	11C15	.8	230	L	.		1710130		A
	11C22	.2	240	L	.		1690130		A
	11C23	2.3	250	L	.		1700130		A
	15C27	1.5	260	S	I		3208000		A
	15C47	20.3T	265	S	I		3207000		A
AXFP-4 3300050	14C10	.0T	010	S	I		3300050	A	I
AXFP-5 3300150	19C10	.0T	010	S	I		3300150	A	I
AXFP-6 3300250	23C10	.0T	010	S	I		3300250	A	I
AXFP-7 3300350	28C10	.0T	010	S	I		3300350	A	I
NAXFP 3300400	28A02	.9	010	S	I		3300400	A	
	26A01	5.2	015	C	C			A	
	26B01	6.2	016	C	C			A	
	28C01	2.5	020	L	.		3300300	A	
	23C01	2.0	030	L	.		3300200	A	
	19C01	2.5	040	L	.		3300100	A	
	14C01	7.7	045	L	.		3300000	A	
	05C40	27.0T	050	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NAXL									
3300700	26C07	7.5	010	S	NFF		3300710	A	
	15C30	.9	015	L	.		3205200	A	
	15C42	.2	020	L	.		3205100	A	
	15C43	.8	030	L	.		3205000	A	
	14C40	9.4T	040	S	I		3300700	A	
AXS-1									
3300750	02C37	6.2	010	S	I		3300750	A	
	03B31	6.2T	020	L	.		1470180	A	
AXS-2									
3300800	04C37	.0T	010	S	I		3300800	A	I
AXS-3									
3300900	09C37	.0T	010	S	I		3300900	A	I
AXS-4									
3301050	14C37	.0T	010	S	I		3301050	A	I
AXS-5									
3301150	19C37	.0T	010	S	I		3301150	A	I
AXS-6									
3301250	23C37	.0T	010	S	I		3301250	A	I
AXS-7									
3301340	28C37	.0T	010	S	I		3301340	A	I
NAXS									
3301700	27A26	5.3	010	L	.		3204000	A	
	17A30	2.1	020	S	I		3301700	A	
	13A28	1.5	030	S	I		3301730	A	
	12A42	5.2	035	C	C			A	
	12B42	10.5	036	C	C			A	
	02C46	1.0	040	L	.		3301400	A	
	04C46	2.5	050	L	.		3301500	A	
	09C46	2.5	060	L	.		3301600	A	
	14C46	2.5	070	L	.		3301000	A	
	19C46	2.0	080	L	.		3301100	A	
	23C46	2.5	090	L	.		3301200	A	
	28C46	4.0	095	L	.		3301300	A	
	32C23	41.6T	100	T	T			A	
NAXSL1									
3302800	30A19	2.8	010	S	B		3302800	A	
	26A26	5.2	015	C	C			A	
	26B26	7.9	016	C	C			A	
	28C47	2.5	020	L	.		3302700	A	
	23C47	2.0	030	L	.		3302600	A	
	19C47	2.5	040	L	.		3302500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		14C47	2.5	050	L	.	3302400	A	
		09C47	2.5	060	L	.	3302300	A	
		04C47	1.0	070	L	.	3302200	A	
		02C47	1.5	075	L	.	3302100	A	
		05C47	30.4T	080	T	T		A	
AXSL4-1 3303100		02C10	10.9	010	S	I	3303100	A	
		10D31	10.9T	015	L	.	1470152	A	
AXSL4-A 3303500		13B34	.2	010	S	I	3303600	A	
		13B35	4.7	020	S	I	3303500	A	
		16C10	2.5	030	L	.	1100116	A	
		21C10	1.9	040	L	.	1150116	A	
		21C36	2.5	050	L	.	1110116	A	
		26C36	1.9	060	L	.	1190116	A	
		26C10	2.0	070	L	.	1180116	A	
		30C10	1.5	075	L	.	1250116	A	
		32C15	17.2T	080	T	T		A	
NAXSL4 3303700		30A05	6.7	010	S	B	3303700	A	
		22A38	5.2	015	C	C		A	
		22B38	4.3	016	C	C		A	
		13B39	.3	020	L	.	3303500	A	
		13B40	3.6	030	L	.	3303600	A	
		14C12	2.5	040	L	.	3303400	A	
		09C12	2.5	050	L	.	3303300	A	
		04C12	1.7	060	L	.	3303200	A	
		02C01	3.0	065	L	.	3303100	A	
		05C21	29.8T	070	T	T		A	
NAXSL4/1 3303800		17A42	1.7	010	L	.	3301710	A	
		17A23	1.8	020	S	I	3303800	A	
		18A05	.9	030	L	.	3501500	A	
		19A11	1.7	040	L	.	7660600	A	
		19A30	4.6	050	L	.	4022200	A	
		27A25	2.9	060	L	.	3204000	A	
		30A02	1.1	065	L	.	3303700	A	
		32A04	14.7T	070	T	T		A	
NAXSR2 3305700		30A10	2.4	010	S	B	3305700	A	
		26A19	5.2	015	C	C		A	
		26B19	4.8	016	C	C		A	
		28C02	2.5	020	L	.	3305600	A	
		23C02	2.0	030	L	.	3305500	A	
		19C02	2.5	040	L	.	3305400	A	
		14C02	2.5	050	L	.	3305300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		09C02	2.5	060	L	.	3305200	A	
		04C02	1.0	070	L	.	3305100	A	
		02C02	3.0	075	L	.	3305000	A	
		05C22	28.4T	080	T	T		A	
AXSR4-2 3306020	04C10	.0T	010	S	I		3306020	A	I
AXSR4-3 3306030	09C10	.0T	010	S	I		3306030	A	I
AXSR4-4 3306040	04C40	6.3	010	S	I		3306550	A	
	13C19	1.8	020	L	.		1070118	A	
	13C43	1.6	030	L	.		1040118	A	
	11C36	3.0	040	L	.		1000116	A	
	05C36	12.7T	050	T	T			A	
NAXSR4 3306600	30A17	2.6	010	S	B		3306600	A	
	26A22	5.2	015	C	C			A	
	26B22	5.5	016	C	C			A	
	28C12	2.5	020	L	.		3306300	A	
	23C12	2.0	030	L	.		3306200	A	
	19C12	5.7	040	L	.		3306100	A	
	09C01	2.5	050	L	.		3306500	A	
	04C01	2.1	060	L	.		3306400	A	
	02C12	3.8	065	L	.		3306000	A	
	04C50	2.8	067	L	.		3306550	A	
	05C23	34.7T	070	T	T			A	
NAXSR4/1 3306700	16A22	1.4	010	S	I		3306700	A	
	17A33	1.5	020	L	.		3301710	A	
	19A42	5.4	030	L	.		4082400	A	
	27A27	3.4	040	L	.		3204000	A	
	30A01	1.1	045	L	.		3306600	A	
	32A03	12.8T	050	T	T			A	
NBX 3499000	27A34	.7	010	S	B		3499000	A	
	26A29	5.2	015	C	C			A	
	26B29	9.5	016	C	C			A	
	15C13	.8	020	L	.		3500200	A	
	15C20	8.8	025	L	.		3500000	A	
	32C19	25.0T	030	T	T			A	
BX-L 3500000	17C42	2.7	010	L	.		1000330	A	
	15C17	.1	020	S	I		3500100	A	
	15C15	.7	030	S	I		3500200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		15C05	.8 040	S	I		3500000	A	
		16C09	.5 050	L	.		1080330	A	
		17C09	.5 060	L	.		1040330	A	
		18C09	1.0 070	L	.		1290330	A	
		20C09	2.5 080	L	.		1250330	A	
		25C09	1.0 090	L	.		1210330	A	
		27C09	1.0 100	L	.		1170330	A	
		29C09	1.0 110	L	.		1130330	A	
		31C09	.3 115	L	.		1100330	A	
		32C08	12.1T 120	T	T			A	
BX-U 3500300		15C18	.2 010	S	I		3500300	A	
		15C19	3.1 020	S	I		3500400	A	
		18C42	1.0 030	L	.		1680330	A	
		20C42	2.5 040	L	.		1640330	A	
		25C42	1.0 050	L	.		1600330	A	
		27C42	1.0 060	L	.		1560330	A	
		29C42	1.0 070	L	.		1520330	A	
		31C42	.5 075	L	.		1480330	A	
		32C42	10.3T 080	T	T			A	
BXBL1-L 3501000		32C12	.3 005	T	T			A	
		31C13	1.0 010	L	.		1100310	A	
		29C13	1.0 020	L	.		1130310	A	
		27C13	1.0 030	L	.		1170310	A	
		25C13	2.5 040	L	.		1210310	A	
		20C13	1.0 050	L	.		1250310	A	
		18C13	.5 060	L	.		1290310	A	
		17C13	1.4 070	L	.		1040310	A	
		15C07	3.0 080	L	.		1470154	A	
		17C36	5.4 120	L	.		1000310	A	
		16D35	3.2 130	L	.		1080354	A	
		10D34	7.9 135	L	.		1470150	A	
		15C35	.2 140	S	I		3501000	A	
		15C34	2.0 150	S	I		3501100	A	
		15C11	30.4T 160	S	I		3501200	A	
BXBL1-U 3501300		15C41	.5 010	S	I		3501400	A	
		15C36	1.5 020	S	I		3501300	A	
		18C36	1.0 030	L	.		1680310	A	
		18C22	1.0 040	L	.		1710314	A	
		20C22	1.0 050	L	.		1670314	A	
		20C36	2.5 060	L	.		1640310	A	
		25C36	1.0 070	L	.		1600310	A	
		27C36	1.0 080	L	.		1560310	A	
		29C36	1.0 090	L	.		1520310	A	
		31C36	.5 095	L	.		1480310	A	
		32C36	11.0T 100	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NBXBL1									
3501500	18A04	2.6	010	S	B		3501500	A	
	22A12	5.2	015	C	C			A	
	22B12	8.7	016	C	C			A	
	15C12	1.7	020	L	.		3501200	A	
	15C33	5.9	025	L	.		3501100	A	
	05C42	24.1T	030	T	T			A	
BXBL2-L									
3502000	03B34	9.4	010	L	.		1470170	A	
	15C10	1.2	020	S	I		3502200	A	
	15C26	.3	030	S	I		3502000	A	
	15C25	6.2	040	S	I		3502100	A	
	16D31	5.2	050	L	.		1080354	A	
	17C34	2.5	060	L	.		1000310	A	
	18C11	1.0	070	L	.		1290310	A	
	20C11	1.3	080	L	.		1250310	A	
	22C07	1.8	090	L	.		1040350	A	
	25C11	1.0	100	L	.		1210310	A	
	27C11	1.0	110	L	.		1170310	A	
	29C11	1.0	120	L	.		1130310	A	
	31C11	.3	125	L	.		1100310	A	
	32C10	32.2T	130	T	T			A	
BXBL2-U									
3502300	30B19	.2	010	S	I		3502400	A	
	30B18	12.4	020	S	I		3502300	A	
	18C34	1.0	030	L	.		1680310	A	
	20C34	2.5	040	L	.		1640310	A	
	25C34	1.0	050	L	.		1600310	A	
	27C34	1.0	060	L	.		1560310	A	
	29C34	1.0	070	L	.		1520310	A	
	31C34	.5	075	L	.		1480310	A	
	32C34	19.6T	080	T	T			A	
NBXBL2									
3502500	30A11	2.9	010	S	B		3502500	A	
	26A23	5.2	015	C	C			A	
	26B23	3.1	016	C	C			A	
	30B04	.3	017	L	.		3502300	A	
	30B03	13.2	018	L	.		3502400	A	
	15C09	1.0	020	L	.		3502200	A	
	15C23	.3	022	L	.		3502100	A	
	15C24	6.0	028	L	.		3502000	A	
	05C41	32.0T	030	T	T			A	
BXFP/L									
3503000	32C13	.7	005	T	T			A	
	31C12	1.0	010	L	.		1100312	A	
	29C12	1.0	020	L	.		1130312	A	
	27C12	1.0	030	L	.		1170312	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		25C12	1.5	040	L	.	1210312	A	
		22C12	1.0	050	L	.	1040350	A	
		20C12	1.0	060	L	.	1250312	A	
		18C12	2.6	070	L	.	1290312	A	
		17C40	4.6	080	L	.	1000312	A	
		16D29	6.2	090	L	.	1080350	A	
		12C44	6.9	100	L	.	4304300	A	
		13B28	.3	110	S	I	3503100	A	
		13B27	.9	120	S	I	3503000	A	
		13B15	28.7T	125	S	I	3503200	A	
BXFP/U 3503300		13B25	.3	010	S	I	3503400	A	
		13B26	4.5	020	S	I	3503300	A	
		12C10	2.4	030	L	.	4307300	A	
		12C41	2.8	040	L	.	4305300	A	
		18C40	1.0	050	L	.	1680312	A	
		20C40	1.2	060	L	.	1640312	A	
		22C41	1.3	070	L	.	1480350	A	
		25C40	1.0	080	L	.	1600312	A	
		27C40	1.0	090	L	.	1560312	A	
		29C40	2.7	095	L	.	1520312	A	
		32C24	18.2T	100	T	T		A	
NBFP 3503500		28A34	1.2	010	S	I	3503500	A	
		27A23	3.2	020	L	.	3499000	A	
		22A13	5.2	025	C	C		A	
		22B13	4.5	026	C	C		A	
		13B13	1.2	030	L	.	3503200	A	
		13B29	.6	035	L	.	3503000	A	
		14B27	15.9T	040	T	T		A	
NBFP 3503600		28A46	4.8	010	S	I	3503600	A	
		22A22	5.2	015	C	C		A	
		22B22	4.3	016	C	C		A	
		13B23	.3	020	L	.	3503400	A	
		13B24	.8	025	L	.	3503300	A	
		14B23	15.4T	030	T	T		A	
N(S/CC1/FP) 3800000		28A12	.2	010	S	I	3800100	A	
		28A13	2.5	020	S	I	3800000	A	
		26A33	5.2	022	C	C		A	
		26B33	3.1	023	C	C		A	
		32B35	11.0T	025	C	C	3800000	A	
N(S/CC2/FP) 3801000		31A20	3.7	010	S	I	3801000	A	
		26A36	5.2	012	C	C		A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		26B36	3.0	013	C	C		A	
		32B36	11.9T	015	C	C	3801000	A	
CL-09A01									
3850100	08A02	.2	010	T	T		3850100	A	
	08A03	.1	020	T	T		3850100	A	
	08A01	.5	030	T	T		3850100	A	
	09A01	.8T	035	S	-NS		3850100	A	
CL-05B09									
3850200	01B09	.5	010	L	.		1621334	A	
	02B09	1.0	020	L	.		1601334	A	
	04B09	.5	030	L	.		1581334	A	
	05B09	1.0	040	S	-NS		3850200	A	
	07B09	1.0	050	L	.		1521334	A	
	09B09	.5	060	L	.		1501334	A	
	10B09	.5	070	L	.		1481334	A	
	11B09	5.0T	075	L	.		1461334	A	
CL-31B01									
3850300	31B01	5.7	010	S	-NS		3850300	A	
	30C01	5.7T	015	L	.		1250134	A	
CL-03C01									
3850400	03C01	1.0	010	S	-NS		3850400	A	
	01C01	1.0T	015	L	.		1470134	A	
CL-06C01									
3850500	06B09	4.6	010	L	.		1541334	A	
	06C01	.5	020	S	-NS		3850500	A	
	05C01	.3	030	T	T		3850500	A	
	05C02	5.4T	035	T	T		3850500	A	
CL-08C01									
3850600	07C01	.5	010	L	.		4300800	A	
	08C01	1.0	020	S	-NS		3850600	A	
	10C01	1.0	030	L	.		4004800	A	
	12C01	2.5T	035	L	.		4304800	A	
CL-11C01									
3850700	11C01	2.5	010	S	-NS		3850700	A	
	16C01	2.5T	015	L	.		1100134	A	
CL-17C01									
3850800	17C01	.5	010	S	-NS		3850800	A	
	18C01	.5T	015	L	.		1290334	A	
CL-20C01									
3850900	20C01	.5	010	S	-NS		3850900	A	
	21C01	.5T	015	L	.		1140134	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
CL-25C01 3851000	25C01 26C01	.5 .5T	010 015	S L	-NS .		3851000 1180134	A A	
CL-27C01 3851100	27C01 29C01	1.0 1.0T	010 015	S L	-NS .		3851100 1130334	A A	
CL-07D09 3851200	01D09 02D09 06D09 07D09 08D09 09D09 11D09 13D09	.5 2.0 .5 .5 .5 1.0 1.0 6.0T	010 020 030 040 050 060 070 075	L L L S L L L L	. . . -NS		1641334 1661334 1681334 3851200 1001334 1021334 1041334 1061334	A A A A A A A A	
CL-18D09 3851300	14D09 15D09 17D09 18D09 21D09 22D09 24D09 25D09	.5 1.0 .5 1.5 .5 1.0 .5 5.5T	010 020 030 040 050 060 070 075	L L L S L L L L	. . . -NS		1081334 1101334 1121334 3851300 1161334 1181334 1201334 1221334	A A A A A A A A	
CL-31D09 3851400	31C01 31D09 30D09 27D09 26D09	5.8 .5 1.5 .5 8.3T	010 020 030 040 045	L S L L L	. -NS . . .		1100334 3851400 1281334 1261334 1241334	A A A A A	
D4851Z 3905000	08A30 11A21 13A18 13A19 13A17 13A05	2.4 .9 .2 .1 .9 4.5T	005 010 020 030 040 045	T L S S S S	T . I I I I		3980100 3905000 3905010 3905030 3905020	A A A A A	
DIT 3930400	13A23 15A37 12A37 12B37 05D34 04D28	2.0 1.5 5.2 14.0 .9 23.6T	010 020 022 023 025 030	L S C C L T	. B C C . T		3930500 3930400 7670171	A A A A A A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NDIT									
3930500	23A18	5.2	010	L	.		7670120	A	
	13A25	1.6	020	S	I		3930500	A	
	12A36	5.2	022	C	C			A	
	12B36	2.0	023	C	C			A	
	08B36	5.2	025	L	.		7670150	A	
	05C19	19.2T	030	T	T			A	
NDIT/1									
3930600	11A39	4.9	010	S	I		3930600	A	
	19A27	.1	020	L	.		4322200	A	
	19A25	1.4	030	L	.		4322200	A	
	18A13	.6	040	L	.		3501500	A	
	18A06	4.5	050	L	.		3501500	A	
	27A06	1.2	060	L	.		3204100	A	
	27A22	3.2	070	L	.		3499000	A	
	30A03	1.1	075	L	.		3302800	A	
	32A05	17.0T	080	T	T			A	
DIV									
3931000	10A46	.5	010	L	.		7591300	A	
	11A46	1.4	020	L	.		3930600	A	
	13A40	.8	030	L	.		6850866	A	
	14A36	.9	040	S	B		3931000	A	
	15A30	.3	050	L	.		3930400	A	
	15A26	.6	060	L	.		3970000	A	
	14A23	2.5	070	L	.		6850860	A	
	16A03	2.2	080	L	.		7670110	A	
	16A33	1.7	090	L	.		7670162	A	
	15A46	1.3	110	L	.		6850760	A	
	17A50	2.0	120	L	.		3301720	A	
	19A36	3.1	130	L	.		4022200	A	
	23A25	2.8	140	L	.		4082200	A	
	26A07	5.2	150	C	C			A	
	26B07	1.4	160	C	C			A	
	29B08	26.7T	170	L	.		7670190	A	
DPP									
3970000	15A36	3.1	010	S	B		3970000	A	
	10A44	1.0	020	L	.		7591300	A	
	12A44	5.2	025	C	C			A	
	12B44	3.2	026	C	C			A	
	12C15	2.5	030	L	.		4304300	A	
	07C15	15.0T	035	L	.		4300300	A	
DSN									
3980050	13A38	1.0	010	L	.		3980200	A	
	11A38	1.8	020	S	I		3980050	A	
	11A17	1.6	030	S	I		3980100	A	
	14A19	.6	040	L	.		6850670	A	
	14A27	3.0	045	L	.		6850480	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
	20A27	8.0T	050	T	T				A
NDSN 3980200	14A07	3.0	010	L	.		6850482		A
	13A41	2.2	020	S	I		3980200		A
	17A34	1.5	025	L	.		3303820		A
	20A34	6.7T	030	T	T				A
DX/L 3990000	23B46	.1	010	S	I		3990200		A
	23B44	.2	020	S	I		3990100		A
	23B45	11.6	030	S	I		3990000		A
	31D07	.5	040	L	.		1301330		A
	30D07	1.5	050	L	.		1281330		A
	27D07	.5	060	L	.		1261330		A
	26D07	.5	070	L	.		1241330		A
	25D07	.5	080	L	.		1221330		A
	24D07	1.0	090	L	.		1201330		A
	22D07	.5	100	L	.		1181330		A
	21D07	1.5	110	L	.		1161330		A
	18D07	.5	120	L	.		1141330		A
	17D07	1.0	130	L	.		1121330		A
	15D07	.5	140	L	.		1101330		A
	14D07	.5	150	L	.		1081330		A
	13D07	1.0	160	L	.		1061330		A
	11D07	1.0	170	L	.		1041330		A
	09D07	.5	180	L	.		1021330		A
	08D07	2.0	185	L	.		1001330		A
	12D07	25.4T	190	T	T				A
DX-U 3990400	23B47	2.4	010	S	I		3990400		A
	23B15	6.6	020	S	I		3990500		A
	11B07	.5	030	L	.		1461330		A
	10B07	.5	040	L	.		1481330		A
	09B07	1.0	050	L	.		1501330		A
	07B07	.5	060	L	.		1521330		A
	06B07	.5	070	L	.		1541330		A
	05B07	.5	080	L	.		1561330		A
	04B07	1.0	090	L	.		1581330		A
	02B07	.5	100	L	.		1601330		A
	01B07	10.5	110	L	.		1621330		A
	01D07	.5	120	L	.		1641330		A
	02D07	2.0	130	L	.		1661330		A
	06D07	.5	140	L	.		1681330		A
	07D07	2.1	145	L	.		1701330		A
	04D12	29.6T	150	T	T				A
NDX 3990550	27A14	.4	010	S	B		3990550		A
	26A17	5.2	015	C	C				A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26B17	1.8	016	C	C			A	
	23B13	3.0	020	L	.		3990500	A	
	23B50	2.0	025	L	.		3990000	A	
	19B50	12.4T	030	T	T			A	
DXA-L 3990600	30B10	.2	010	S	I		3990800	A	
	30B11	.3	020	S	I		3990700	A	
	30B15	10.7	030	S	I		3990600	A	
	31D11	.5	040	L	.		1301310	A	
	30D11	1.5	050	L	.		1281310	A	
	27D11	.5	060	L	.		1261310	A	
	26D11	.5	070	L	.		1241310	A	
	25D11	.5	080	L	.		1221310	A	
	24D11	1.0	090	L	.		1201310	A	
	22D11	.5	100	L	.		1181310	A	
	21D11	1.5	110	L	.		1161310	A	
	18D11	.5	120	L	.		1141310	A	
	17D11	1.0	130	L	.		1121310	A	
	15D11	.5	140	L	.		1101310	A	
	14D11	.5	150	L	.		1081310	A	
	13D11	1.0	160	L	.		1061310	A	
	11D11	1.0	170	L	.		1041310	A	
	09D11	.5	180	L	.		1021310	A	
	08D11	2.0	185	L	.		1001310	A	
	12D11	24.7T	190	T	T			A	
DXA-U 3990900	13B11	.2	004	S	I		3990900	A	
	13B10	.8	008	S	I		3991000	A	
	11B11	.5	010	L	.		1461310	A	
	10B11	.5	020	L	.		1481310	A	
	09B11	1.0	030	L	.		1501310	A	
	07B11	.5	040	L	.		1521310	A	
	06B11	.5	050	L	.		1541310	A	
	05B11	.5	060	L	.		1561310	A	
	04B11	1.0	070	L	.		1581310	A	
	02B11	.5	080	L	.		1601310	A	
	01B11	10.5	090	L	.		1621310	A	
	01D11	.5	100	L	.		1641310	A	
	02D11	2.0	110	L	.		1661310	A	
	06D11	.5	120	L	.		1681310	A	
	07D11	3.4	130	L	.		1701310	A	
	05C50	22.9T	135	T	T			A	
NDXA 3991050	28A36	.3	020	S	I		3991050	A	
	28A35	1.7	030	S	I		3991060	A	
	27A20	.9	033	L	.		3990550	A	
	26A14	5.2	035	C	C			A	
	26B14	2.6	036	C	C			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	30809	.3	040	L	.	.	3990800	A	
	30813	.2	050	L	.	.	3990600	A	
	30812	8.5	060	L	.	.	3990700	A	
	13812	.5	070	L	.	.	3990900	A	
	13809	.6	075	L	.	.	3991000	A	
	14807	20.8T	080	T	T	.		A	
DXDL1-L 3991100	23805	1.0	010	S	I	.	3991300	A	
	23819	.2	020	S	I	.	3991200	A	
	23818	15.7	030	S	I	.	3991100	A	
	31034	.5	040	L	.	.	1300500	A	
	30034	1.5	050	L	.	.	1280500	A	
	27034	.5	060	L	.	.	1260500	A	
	26034	.5	070	L	.	.	1240500	A	
	25034	.5	080	L	.	.	1220500	A	
	24034	1.0	090	L	.	.	1200500	A	
	22034	.5	100	L	.	.	1180500	A	
	21034	1.5	110	L	.	.	1160500	A	
	18034	.5	120	L	.	.	1140500	A	
	17034	1.0	130	L	.	.	1120500	A	
	15034	.5	140	L	.	.	1100500	A	
	14034	.5	150	L	.	.	1080500	A	
	13034	1.0	160	L	.	.	1060500	A	
	11034	1.0	170	L	.	.	1040500	A	
	09034	.5	180	L	.	.	1020500	A	
	08034	2.3	185	L	.	.	1000500	A	
	12030	30.7T	190	T	T	.		A	
DXDL1-U 3991400	20835	.4	010	S	I	.	3991400	A	
	20841	5.1	020	S	I	.	3991500	A	
	11834	.5	030	L	.	.	1460500	A	
	10834	.5	040	L	.	.	1480500	A	
	09834	1.0	050	L	.	.	1500500	A	
	07834	.5	060	L	.	.	1520500	A	
	06834	.5	070	L	.	.	1540500	A	
	05834	.5	080	L	.	.	1560500	A	
	04834	1.0	090	L	.	.	1580500	A	
	02834	.5	100	L	.	.	1600500	A	
	01834	10.5	110	L	.	.	1620500	A	
	01034	.5	120	L	.	.	1640500	A	
	02034	2.0	130	L	.	.	1660500	A	
	06034	.5	140	L	.	.	1680500	A	
	07034	2.2	145	L	.	.	1700500	A	
	04024	26.2T	150	T	T	.		A	
NDXDL1 3991550	27A29	1.3	010	L	.	.	3990550	A	
	25A33	1.2	020	S	I	.	3991550	A	
	26A20	5.2	025	C	C	.		A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26B20	2.6	026	C	C				A
	23B03	.2	028	L	.		3991200		A
	23B02	.1	029	L	.		3991300		A
	23B04	3.8	031	L	.		3991100		A
	20B39	.2	033	L	.		3991400		A
	20B38	3.2	035	L	.		3991500		A
	14B33	17.8T	040	T	T				A
DXDR1-L 3991600	20B46	.1	010	S	I		3991800		A
	20B44	.2	020	S	I		3991700		A
	20B45	15.4	030	S	I		3991600		A
	31D37	.5	040	L	.		1300502		A
	30D37	1.5	050	L	.		1280502		A
	27D37	.5	060	L	.		1260502		A
	26D37	.5	070	L	.		1240502		A
	25D37	.5	080	L	.		1220502		A
	24D37	1.0	090	L	.		1200502		A
	22D37	.5	100	L	.		1180502		A
	21D37	1.5	110	L	.		1160502		A
	18D37	.5	120	L	.		1140502		A
	17D37	1.0	130	L	.		1120502		A
	15D37	.5	140	L	.		1100502		A
	14D37	.5	150	L	.		1080502		A
	13D37	1.0	160	L	.		1060502		A
	11D37	1.0	170	L	.		1040502		A
	09D37	.5	180	L	.		1020502		A
	08D37	2.1	185	L	.		1000502		A
	12D39	29.3T	190	T	T				A
DXDR1-U 3991900	20B47	.9	010	S	I		3991900		A
	20B36	4.3	020	S	I		3992000		A
	11B37	.5	030	L	.		1460502		A
	10B37	.5	040	L	.		1480502		A
	09B37	1.0	050	L	.		1500502		A
	07B37	.5	060	L	.		1520502		A
	06B37	.5	070	L	.		1540502		A
	05B37	.5	080	L	.		1560502		A
	04B37	1.0	090	L	.		1580502		A
	02B37	.5	100	L	.		1600502		A
	01B37	10.5	110	L	.		1620502		A
	01D37	.5	120	L	.		1640502		A
	02D37	2.0	130	L	.		1660502		A
	06D37	.5	140	L	.		1680502		A
	07D37	1.7	145	L	.		1700502		A
	04D36	25.4T	150	T	T				A
NDXDR1 3992050	27A19	2.2	010	L	.		3990550		A
	25A35	1.6	020	S	I		3992050		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	22A37	5.2	025	C	C			A	
	22B37	1.0	026	C	C			A	
	20B37	1.2	030	L	.		3992000	A	
	20B50	4.0	035	L	.		3991600	A	
	14B35	15.2T	040	T	T			A	
DXS/L 3992100	23B36	.3	010	S	I		3992100	A	
	23B35	.4	020	S	I		3992300	A	
	23B41	11.6	030	S	I		3992200	A	
	31003	.5	040	L	.		1301312	A	
	30003	1.5	050	L	.		1281312	A	
	27D03	.5	060	L	.		1261312	A	
	26D03	.5	070	L	.		1241312	A	
	25D03	.5	080	L	.		1221312	A	
	24D03	1.0	090	L	.		1201312	A	
	22D03	.5	100	L	.		1181312	A	
	21D03	1.5	110	L	.		1161312	A	
	18D03	.5	120	L	.		1141312	A	
	17D03	1.0	130	L	.		1121312	A	
	15D03	.5	140	L	.		1101312	A	
	14D03	.5	150	L	.		1081312	A	
	13D03	1.0	160	L	.		1061312	A	
	11D03	1.0	170	L	.		1041312	A	
	09D03	.5	180	L	.		1021312	A	
	08D03	2.0	185	L	.		1001312	A	
	12D03	25.8T	190	T	T			A	
DXS-U 3992400	23B34	2.0	010	S	I		3992400	A	
	23B11	6.6	020	S	I		3992500	A	
	11B03	.5	030	L	.		1461312	A	
	10B03	.5	040	L	.		1481312	A	
	09B03	1.0	050	L	.		1501312	A	
	07B03	.5	060	L	.		1521312	A	
	06B03	.5	070	L	.		1541312	A	
	05B03	.5	080	L	.		1561312	A	
	04B03	1.0	090	L	.		1581312	A	
	02B03	.5	100	L	.		1601312	A	
	01B03	10.5	110	L	.		1621312	A	
	01D03	.5	120	L	.		1641312	A	
	02D03	2.0	130	L	.		1661312	A	
	06D03	.5	140	L	.		1681312	A	
	07D03	1.7	145	L	.		1701312	A	
	04D02	28.8T	150	T	T			A	
NDXS 3992600	27A45	1.8	020	S	B		3992600	A	
	27A21	.9	022	L	.		3990550	A	
	26A15	5.2	025	C	C			A	
	26B15	1.8	026	C	C			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
I	8	15	21	28	33	37	41	77	
		23B12	1.7	030	L	.	3992500	A	
		23B33	2.0	035	L	.	3992100	A	
		19B33	13.4T	040	T	T		A	
E0									
4000000	20A05	2.8	005	T	T			A	
	15A01	1.0	010	L	.		4335000	A	
	15A15	2.1	020	L	.		3150000	A	
	12A20	5.2	025	C	C			A	
	12B20	4.7	026	C	C			A	
	17B50	8.2	030	L	.		1162102	A	
	08C33	24.0T	035	S	FF		4000000	A	
NE0									
4000100	20A23	2.5	005	T	T			A	
	15A23	.9	010	L	.		3140000	A	
	15A11	.6	020	L	.		4000900	A	
	15A03	1.7	030	L	.		4330000	A	
	12A02	5.2	035	C	C			A	
	12B02	10.1	036	C	C			A	
	08C40	.3	040	S	NFF		4000100	A	
	08C44	21.3T	045	L	.		4000300	A	
4000200-1	08C36	.0T	005	S	+		4000400	A	I
4000600-1	08C30	.0T	005	S	+		4000600	A	I
E0003Z									
4000900	15A08	1.6	010	S	B		4000900	A	
	17A03	1.6T	015	L	.		3165100	A	
E0407Z									
4000950	32A43	1.0	005	T	T			A	
	30A43	9.6	010	L	.		4021100	A	
	17A01	3.2	020	L	.		3165100	A	
	12A11	5.2	022	C	C			A	
	12B11	3.1	023	C	C			A	
	08B22	22.1T	025	S	B		4000950	A	
E1									
4001000	20A04	2.5	005	T	T			A	
	15A04	1.9	010	L	.		4330000	A	
	12A10	5.2	015	C	C			A	
	12B10	3.6	016	C	C			A	
	17B23	9.9	020	L	.		1172102	A	
	08C25	23.1T	025	S	FF		4001000	A	
NE1									
4001100	20A06	2.8	005	T	T			A	
	15A02	.7	010	L	.		4335000	A	
	15A12	1.8	020	L	.		4000900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12A08	5.2	025	C	C		A	
		12B08	2.7	026	C	C		A	
		15B24	8.9	030	L	.	1012102	A	
		08C26	1.2	040	S	NFF	4001100	A	
		08C41	23.3T	045	L	.	4001300	A	
4001200-1	08C31	.0T	005	S	+		4001200	A	I
4001500-1	08C24	.0T	005	S	+		4001500	A	I
E2									
4002000	20A45	1.6	005	T	T			A	
	23A43	.5	010	L	.		4081200	A	
	22A43	5.2	015	C	C			A	
	22B43	3.5	016	C	C			A	
	15B43	6.9	020	L	.		1022102	A	
	08C19	2.1	030	S	FF		4002000	A	
	08C47	19.8T	035	L	.		4000500	A	
NE2									
4002100	20A44	1.6	005	T	T			A	
	23A42	6.0	010	L	.		4021200	A	
	15A13	1.9	020	L	.		4000900	A	
	12A07	5.2	025	C	C			A	
	12B07	7.4	026	C	C			A	
	08C09	.9	030	L	.		4002300	A	
	08C21	.4	040	S	NFF		4002100	A	
	08C27	23.4T	045	L	.		4000400	A	
4002200-1	08C20	.0T	005	S	+		4002200	A	I
4002500-1	08C17	.0T	005	S	+		4002600	A	I
E3									
4003000	15B36	6.1	010	L	.		1032102	A	
	08C05	3.0	020	S	FF		4003000	A	
	08C45	9.1T	025	L	.		4000500	A	
NE3									
4003100	20A13	2.8	005	T	T			A	
	15A14	2.1	010	L	.		4000900	A	
	12A06	5.2	015	C	C			A	
	12B06	7.5	016	C	C			A	
	08C10	.9	020	L	.		4003300	A	
	08C22	.4	030	S	NFF		4003100	A	
	08C28	18.9T	035	L	.		4000400	A	
4003200-1	08C12	.0T	005	S	+		4003200	A	I
4003500-1	08C03	.0T	005	S	+		4003500	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
E4									
4004000	15B21	8.6	010	L	.	.	1042102	A	
	10C33	6.4	020	S	FF	.	4004000	A	
	05D12	15.0T	025	L	.	.	4081100	A	
NE4									
4004100	08B12	8.3	010	L	.	.	4000950	A	
	10C40	.3	020	S	NFF	.	4004100	A	
	10C44	4.7	025	L	.	.	4004300	A	
	05C13	13.3T	030	T	T	.		A	
4004200-1	10C36	.0T	005	S	+	.	4004200	A	I
4004600-1	10C30	.0T	005	S	+	.	4004600	A	I
E5									
4005000	15B02	9.2	010	L	.	.	1052102	A	
	10C25	6.8	020	S	FF	.	4005000	A	
	05D13	16.0T	025	L	.	.	4081100	A	
NE5									
4005100	08B13	7.1	010	L	.	.	4000950	A	
	10C26	1.2	020	S	NFF	.	4005100	A	
	10C41	4.6	025	L	.	.	4005300	A	
	05C14	12.9T	030	T	T	.		A	
4005200-1	10C31	.0T	005	S	+	.	4005300	A	I
4005500-1	10C24	.0T	005	S	+	.	4005500	A	I
E6									
4006000	15B12	8.0	010	L	.	.	1062102	A	
	10C19	2.1	020	S	FF	.	4006000	A	
	10C47	5.5	030	L	.	.	4004500	A	
	05D14	15.6T	035	L	.	.	4081100	A	
NE6									
4006100	08B14	6.0	010	L	.	.	4000950	A	
	10C09	.9	020	L	.	.	4006300	A	
	10C21	.4	030	S	NFF	.	4006100	A	
	10C27	3.4	035	L	.	.	4004400	A	
	05C15	10.7T	040	T	T	.		A	
4006200-1	10C20	.0T	005	S	+	.	4006200	A	I
4006500-1	10C17	.0T	005	S	+	.	4006600	A	I
E7									
4007000	15B11	7.3	010	L	.	.	1072102	A	
	10C05	3.0	020	S	FF	.	4007000	A	
	10C45	5.5	030	L	.	.	4004500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	05D15	15.8T	035	L	.		4081100	A	
NE7 4007100	08B15	5.7	010	L	.		4000950	A	
	10C10	.9	020	L	.		4007300	A	
	10C22	.4	030	S	NFF		4007100	A	
	10C28	3.2	035	L	.		4004400	A	
	05C17	10.2T	040	T	T			A	
4007200-1	10C12	.0T	005	S	+		4007200	A	I
4007500-1	10C03	.0T	005	S	+		4007500	A	I
EDC3 4021000	30A45	3.5	010	S	B		4021100	A	
	23A45	1.1	020	S	I		4021200	A	
	21A47	.3	030	S	I		4021000	A	
	22A46	5.2	032	C	C			A	
	22B46	9.1	033	C	C			A	
	08C04	3.3	035	L	.		4000400	A	
	05C28	22.5T	040	T	T			A	
EDC7 4022000	21A46	.8	010	S	I		4022000	A	
	22A45	5.2	012	C	C			A	
	22B45	8.4	013	C	C			A	
	10C04	4.2	015	L	.		4004400	A	
	05C31	18.6T	020	T	T			A	
NEDC7 4022100	19A47	1.5	010	S	B		4022200	A	
	21A36	.4	020	S	I		4022100	A	
	21A30	.2	030	L	.		4022000	A	
	21A31	2.1T	035	L	.		4021000	A	
EUC3 4081000	23A35	1.0	010	S	I		4081200	A	
	21A35	.3	020	S	I		4081000	A	
	22A34	5.2	025	C	C			A	
	22B34	11.1	026	C	C			A	
	08C23	1.5	030	L	.		4001400	A	
	08C43	5.4	040	L	.		4000500	A	
	05D22	.3	045	S	B		4081100	A	
	04D23	24.8T	050	T	T			A	
EUC7 4082000	21A41	.3	010	S	I		4082000	A	
	22A40	5.2	015	C	C			A	
	22B40	9.7	016	C	C			A	
	10C23	1.5	020	L	.		4005400	A	
	10C43	2.5	025	L	.		4004500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		05C43	19.2T	030	T	T			A
NEUC7 4082100	19A44	1.6	010	S	B		4082400		A
	21A39	.2	020	L	.		4081000		A
	21A38	.3	030	L	.		4082000		A
	21A34	.6	040	S	I		4082100		A
	21A26	1.6	050	S	I		4082300		A
	23A33	4.3T	055	S	I		4082200		A
EX 4090000	21A06	1.3	010	S	I		4090000		A
	22A15	5.2	015	C	C				A
	22B15	12.3	016	C	C				A
	10C29	1.0	020	L	.		4004600		A
	08C29	1.8	025	L	.		4000600		A
	05C30	21.6T	030	T	T				A
EXFM64 4091000	27A35	1.0	010	S	B		4091000		A
	26A30	5.2	015	C	C				A
	26B30	13.5	016	C	C				A
	10C34	1.0	020	L	.		4004200		A
	08C34	20.7T	025	L	.		4000200		A
EXNE 4094000	21A25	.5	010	S	I		4094000		A
	22A25	5.2	015	C	C				A
	22B25	12.0	016	C	C				A
	10C35	1.0	020	L	.		4004300		A
	08C35	1.5	025	L	.		4000300		A
	05C35	20.2T	030	T	T				A
NEXNE 4094100	20A22	.7	005	T	T				A
	21A23	.8	010	L	.		4094000		A
	21A14	1.0	020	L	.		4090000		A
	23A14	2.5T	025	S	I		4094100		A
EXNFM64 4095000	27A36	.7	010	S	B		4095000		A
	26A31	5.2	015	C	C				A
	26B31	12.0	016	C	C				A
	10C15	1.0	020	L	.		4004300		A
	08C15	18.9T	025	L	.		4000300		A
F0 4300000	32A23	3.5	005	T	T				A
	27A37	5.8	010	L	.		4095000		A
	16A34	2.9	020	L	.		4390200		A
	12A46	5.2	025	C	C				A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12B46	1.8	026	C	C			A
		15B50	7.7	030	L	.	1002102		A
		07C33	26.9T	040	S	FF	4300000		A
NFO									
4300100	32A26	3.4	005	T	T				A
	27A38	3.9	010	L	.		4091000		A
	19A37	2.3	020	L	.		5940100		A
	15A33	2.2	030	L	.		3930400		A
	12A43	5.2	035	C	C				A
	12B43	7.8	036	C	C				A
	07C40	24.8T	045	S	NFF		4300100		A
4300200-1	07C36	.0T	005	S	+		4300300		A I
4300600-1	07C30	.0T	005	S	+		4300700		A I
F1									
4301000	15B23	9.4	010	L	.		1012102		A
	07C25	1.3	020	S	FF		4301000		A
	08C38	.2	030	L	.		4001300		A
	08C39	10.1	035	L	.		4000300		A
	19D31	2.0	040	L	.		5810200		A
	23D31	2.5	045	L	.		5810000		A
	20D17	25.5T	050	T	T				A
NF1									
4301100	07C26	1.7	010	S	NFF		4301100		A
	08C42	.3	020	L	.		4001200		A
	08C46	9.8	021	L	.		4000200		A
	19D34	2.0	022	L	.		5810300		A
	23D34	2.7	025	L	.		5810100		A
	20D18	16.5T	030	T	T				A
4301200-1	07C31	.0T	005	S	+		4301200		A I
4301500-1	07C24	.0T	005	S	+		4301500		A I
F2									
4302000	15B44	6.0	010	L	.		1022102		A
	08C08	1.0	020	L	.		4002200		A
	07C19	7.0T	025	S	FF		4302000		A
NF2									
4302100	07C27	.4	010	L	.		4300400		A
	07C21	1.1	020	S	NFF		4302100		A
	08C13	1.5T	025	L	.		4002300		A
4302200-1	07C20	.0T	005	S	+		4302200		A I
4302500-1	07C17	.0T	005	S	+		4302500		A I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
F3									
4303000	15B38	6.5	010	L	.		1032102	A	
	07C05	1.0	020	S	FF		4303000	A	
	08C14	7.5T	025	L	.		4003200	A	
NF3									
4303100	07C28	.4	010	L	.		4300400	A	
	07C22	1.6	020	S	NFF		4303100	A	
	08C11	2.0T	025	L	.		4003300	A	
4303200-1	07C12	.0T	005	S	+		4303200	A	I
4303500-1	07C03	.0T	005	S	+		4303500	A	I
F4									
4304000	15B22	7.3	010	L	.		1042102	A	
	12C33	2.2	020	S	FF		4304000	A	
	10C46	9.5T	025	L	.		4004200	A	
NF4									
4304100	12C40	.9	010	S	NFF		4304100	A	
	10C39	7.0	020	L	.		4004300	A	
	03D12	7.9T	025	L	.		4321100	A	
4304200-1	12C36	.0T	005	S	+		4304300	A	I
4304600-1	12C30	.0T	005	S	+		4304700	A	I
F5									
4305000	15B01	8.5	010	L	.		1052102	A	
	12C25	2.5	020	S	FF		4305000	A	
	10C42	11.0T	025	L	.		4005200	A	
NF5									
4305100	12C26	1.9	010	S	NFF		4305100	A	
	10C38	6.6	020	L	.		4005300	A	
	03D13	8.5T	025	L	.		4321100	A	
4305200-1	12C31	.0T	005	S	+		4305200	A	I
4305500-1	12C24	.0T	005	S	+		4305500	A	I
F6									
4306000	15B05	7.8	010	L	.		1062102	A	
	12C19	1.9	020	S	FF		4306000	A	
	10C08	9.7T	025	L	.		4006200	A	
NF6									
4306100	10C13	1.6	010	L	.		4006300	A	
	12C21	.4	020	S	NFF		4306100	A	
	12C27	9.0	030	L	.		4304400	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		03D14	11.0T	035	L	.	4321100	A	
4306200-1	12C20	.0T	005	S	+		4306300	A	I
4306500-1	12C17	.0T	005	S	+		4306500	A	I
F7									
4307000	15B09	6.4	010	L	.		1072102	A	
	12C05	1.9	020	S	FR		4307000	A	
	10C14	8.3T	025	L	.		4007200	A	
NF7									
4307100	20A37	2.0	005	T	T			A	
	16A37	2.6	010	L	.		4390200	A	
	12A45	5.2	015	C	C			A	
	12B45	3.7	016	C	C			A	
	10C11	1.7	020	L	.		4007300	A	
	12C22	.4	030	S	NFF		4307100	A	
	12C28	8.5	040	L	.		4304400	A	
	03D15	24.1T	045	L	.		4321100	A	
4307200-1	12C12	.0T	005	S	+		4307300	A	I
4307500-1	12C03	.0T	005	S	+		4307500	A	I
FDC3									
4321000	21A44	.6	010	S	I		4321000	A	
	22A42	5.2	015	C	C			A	
	22B42	9.9	016	C	C			A	
	07C04	8.6	020	L	.		4300400	A	
	03D22	.5	025	S	B		4321100	A	
	04D22	24.8T	030	T	T			A	
FDC7									
4322000	21A45	1.4	010	S	I		4322000	A	
	22A33	5.2	012	C	C			A	
	22B33	8.3	013	C	C			A	
	12C04	5.4	015	L	.		4304400	A	
	05C33	20.3T	020	T	T			A	
NFDC7									
4322100	19A46	1.3	010	S	B		4322200	A	
	21A42	.2	020	L	.		4321000	A	
	21A43	3.0	030	L	.		4322000	A	
	23A12	1.5	035	S	I		4322100	A	
	20A12	6.0T	040	T	T			A	
FEOF									
4330000	15A09	6.0	010	S	B		4330000	A	
	23A38	4.6	020	L	.		4081200	A	
	31A45	1.7	030	L	.		7800000	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
4375200	13A44	3.0	010	S	I		4375200	A	
	13A07	8.2	020	L	.		7503000	A	
	28A17	2.1	025	L	.		4399900	A	
	31A09	.6	030	L	.		4401300	A	
	31A17	.5	035	L	.		4400860	A	
	32A17	14.4T	040	T	T			A	
FPR									
4380000	23A03	1.5	010	L	.		7672020	A	
	23A20	7.2	020	L	.		4094100	A	
	10A30	.4	030	L	.		7592300	A	
	09A33	1.7	040	S	FF		4380000	A	
	12A38	5.2	045	C	C			A	
	12B38	2.0	046	C	C			A	
	16B38	11.8	050	L	.		1112102	A	
	19D36	2.0	052	L	.		5810300	A	
	23D36	31.8T	055	L	.		5810100	A	
NFPR									
4380100	10A08	2.4	010	L	.		4380500	A	
	09A34	7.6	020	S	NFF		4380100	A	
	23A41	.5	030	L	.		7660500	A	
	22A41	5.2	032	C	C			A	
	22B41	10.4	033	C	C			A	
	23D33	2.0	035	L	.		5810100	A	
	19D33	28.1T	040	L	.		5810300	A	
4380200-1	09A39	2.3	010	S	+		4380200	A	
	10A15	.6	020	S	+		4380200	A	
	10A07	2.9T	025	S	+		4380300	A	
(R/FPR)									
4380800	18A44	4.9	003	S	B		4380800	A	
	09A38	4.9T	005	L	.		4380600	A	
FPRD									
4390000	19A01	1.1	010	S	B		4390000	A	
	21A04	5.2	020	L	.		6851062	A	
	28A25	2.4	030	L	.		7480000	A	
	31A13	8.7T	035	L	.		4400860	A	
FPRR									
4390050	19A08	4.7	020	L	.		7660600	A	
	13A35	2.9	030	S	I		4390050	A	
	17A47	5.1	040	L	.		3301720	A	
	22A08	5.2	045	C	C			A	
	22B08	1.8	046	C	C			A	
	18B09	5.7	050	L	.		1312102	A	
	29B14	6.2	052	L	.		7670190	A	
	30C19	2.4	055	L	.		6850904	A	
	32C40	34.0T	060	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NFPRR									
4390100	11A50	2.1	010	L	.	.	3930600	A	
	13A39	2.7	020	L	.	.	4390050	A	
	16A23	4.2	030	S	I	.	4390200	A	
	23A10	1.3	040	L	.	.	4390500	A	
	25A13	2.4	050	S	I	.	4390100	A	
	25A42	3.4	060	L	.	.	6850822	A	
	30A30	1.3	065	L	.	.	4390400	A	
	32A29	17.4T	070	T	T	.		A	
NFPRR-1									
4390400	30A46	1.9	010	S	B	.	4390400	A	
	26A45	5.2	012	C	C	.		A	
	26B45	3.0	013	C	C	.		A	
	32B45	10.1T	015	C	C	.	4390400	A	
(FPRR+PH9)									
4390500	23A01	.6	010	S	I	.	4390500	A	
	23A09	2.6	020	L	.	.	7672020	A	
	23A40	1.5	025	L	.	.	7660500	A	
	20A40	4.7T	030	T	T	.		A	
FPX									
4399900	28A15	3.6	010	S	I	.	4399900	A	
	22A23	5.2	015	C	C	.		A	
	22B23	1.0	016	C	C	.		A	
	20B23	.3	020	L	.	.	4400200	A	
	20B24	1.2	030	L	.	.	4400100	A	
	20B40	3.4	035	L	.	.	4400000	A	
	14B34	14.7T	040	T	T	.		A	
NFPX									
4400000	14B31	.3	005	T	T	.		A	
	15B30	.5	010	L	.	.	1002100	A	
	16B30	.5	020	L	.	.	1102100	A	
	17B30	.5	030	L	.	.	1162100	A	
	18B30	1.3	040	L	.	.	1242100	A	
	20B34	.6	050	S	I	.	4400000	A	
	20B26	.3	060	S	I	.	4400100	A	
	20B25	4.0T	065	S	I	.	4400200	A	
FPXMISC									
4400300	14B29	.3	005	T	T	.		A	
	15B28	.5	010	L	.	.	1002102	A	
	16B28	.5	020	L	.	.	1102102	A	
	17B28	.5	030	L	.	.	1162102	A	
	18B28	1.0	040	L	.	.	1242102	A	
	20B28	.3	050	S	I	.	4400400	A	
	20B27	.8	060	S	I	.	4400300	A	
	20B18	3.9T	065	S	I	.	4400500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NFPXMISC									
4400550	30A42	.9	005	L	.		5552010	A	
	28A45	6.2	010	S	I		4400550	A	
	22A04	5.2	025	C	C			A	
	22B04	1.0	026	C	C			A	
	20B04	1.3	030	L	.		4400500	A	
	20B22	.3	040	L	.		4400300	A	
	20B21	3.4	045	L	.		4400400	A	
	14B15	18.3T	050	T	T			A	
FPXSL									
4400600	14B30	.7	005	T	T			A	
	15B31	.5	010	L	.		1002100	A	
	16B31	.5	020	L	.		1102100	A	
	17B31	.5	030	L	.		1162100	A	
	18B31	1.9	040	L	.		1242100	A	
	20B19	.1	050	S	I		4400600	A	
	20B17	.9	060	S	I		4400800	A	
	20B05	5.1T	065	S	I		4400700	A	
NFPXSL									
4400850	31A19	5.8	010	S	I		4400850	A	
	22A01	5.2	025	C	C			A	
	22B01	1.0	026	C	C			A	
	20B01	.1	030	L	.		4400800	A	
	20B03	.2	040	L	.		4400600	A	
	20B02	2.9	045	L	.		4400700	A	
	14B05	15.2T	050	T	T			A	
FPXSU									
4400900	14B28	.7	005	T	T			A	
	15B29	.5	010	L	.		1002102	A	
	16B29	.5	020	L	.		1102102	A	
	17B29	.5	030	L	.		1162102	A	
	18B29	2.0	040	L	.		1242102	A	
	20B15	.3	050	S	I		4400900	A	
	20B11	.2	060	S	I		4401000	A	
	20B10	4.7T	065	S	I		4401100	A	
NFPXSU									
4401200	31A04	4.6	010	S	I		4401200	A	
	22A09	5.2	025	C	C			A	
	22B09	1.0	026	C	C			A	
	20B09	.3	030	L	.		4401100	A	
	20B13	.2	040	L	.		4400900	A	
	20B12	3.4	045	L	.		4401000	A	
	14B06	14.7T	050	T	T			A	
FS									
4450000	08A11	1.5	005	T	T			A	
	11A11	7.7	010	L	.		4335100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25A22	1.7	020	L	.		7800200	A	
	26A37	5.2	022	C	C			A	
	26B37	3.0	023	C	C			A	
	32B37	19.1T	025	S	-NS		4450000	A	
FX									
4490000	12C29	2.5	010	L	.		4304600	A	
	07C29	7.1	020	L	.		4300600	A	
	03D24	9.6T	025	S	B		4490000	A	
FXD									
4491000	15A17	3.5	010	S	B		4491000	A	
	12A40	5.2	015	C	C			A	
	12B40	4.8	016	C	C			A	
	12C34	2.5	020	L	.		4304200	A	
	07C34	6.6	030	L	.		4300200	A	
	03D29	22.6T	035	L	.		4490100	A	
FXNA									
4496000	30A41	2.6	010	S	B		4496000	A	
	26A46	5.2	015	C	C			A	
	26B46	10.1	016	C	C			A	
	12C18	2.5	020	L	.		4304200	A	
	07C18	1.4	025	L	.		4300200	A	
	05C27	21.8T	030	T	T			A	
NFZ									
4498000	08A13	1.3	005	T	T			A	
	11A12	8.0	010	L	.		4335100	A	
	23A37	1.4	020	L	.		4335200	A	
	26A38	5.2	022	C	C			A	
	26B38	3.0	023	C	C			A	
	32B38	18.9T	025	S	-NS		4498000	A	
G0003									
4500100	10D28	5.8	010	S	B		4500100	A	
	19D46	.7	015	L	.		1712750	A	
	20D47	6.5T	020	T	T			A	
G0407									
4500150	10D17	6.4	010	S	B		4500150	A	
	19D44	.5	015	L	.		1032750	A	
	20D44	6.9T	020	T	T			A	
G0811									
4500200	16D28	3.1	010	S	B		4500200	A	
	19D50	.5	015	L	.		1032750	A	
	20D50	3.6T	020	T	T			A	
G1215									
4500250	16D17	3.7	010	S	B		4500250	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	19D47	.3	015	L	.		1112750	A	
	20D46	4.0T	020	T	T			A	
G1619									
4500300	23D28	3.9	010	S	B		4500300	A	
	19D02	.5	015	L	.		1152750	A	
	20D02	4.4T	020	T	T			A	
G2023									
4500350	23D17	3.1	010	S	B		4500350	A	
	19D04	.7	015	L	.		1152750	A	
	20D05	3.8T	020	T	T			A	
G2427									
4500400	29D28	6.9	010	S	B		4500400	A	
	19D01	.5	015	L	.		1152751	A	
	20D01	7.4T	020	T	T			A	
G2831									
4500450	29D17	5.9	010	S	B		4500450	A	
	19D06	.7	015	L	.		1152752	A	
	20D07	6.6T	020	T	T			A	
G4851									
4500500	08B28	13.2	010	S	B		4500500	A	
	05D44	.3	015	L	.		1462750	A	
	04D45	13.5T	020	T	T			A	
G5255									
4500550	08B17	14.7	010	S	B		4500550	A	
	05D50	.5	015	L	.		1462751	A	
	04D50	15.2T	020	T	T			A	
G5659									
4500600	03B28	9.5	010	S	B		4500600	A	
	05D02	.3	015	L	.		4500650	A	
	04D03	9.8T	020	T	T			A	
G5671									
4500650	05D17	2.2	010	S	B		4500650	A	
	05D47	.5	015	L	.		1462752	A	
	04D47	2.7T	020	T	T			A	
G6063									
4500700	03B17	10.4	010	S	B		4500700	A	
	05D04	.3	015	L	.		4500650	A	
	04D05	10.7T	020	T	T			A	
G6467									
4500750	03D28	3.3	010	S	B		4500750	A	
	05D01	.5	015	L	.		4500651	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04D01	3.8T	020	T	T				A
G6871									
4500800	03D17	1.5	010	S	B		4500800		A
	05D06	.3	015	L	.		4500652		A
	04D07	1.8T	020	T	T				A
GND1106									
4600100	06A02	.8	010	S	-CON		4600102		A
	06A11	.6	020	S	-CON		4600104		A
	06A16	.5	030	S	-NS		4600100		A
	06A21	1.2	040	S	-CON		4600106		A
	06A34	.9	060	S	-CON		4600110		A
	06A46	4.0T	065	S	-CON		4600112		A
GND1117									
4601109	09A20	.3	004	L	.		6850704		A
	09A19	.1	006	L	.		6850804		A
	09A17	.2	008	L	.		6850504		A
	09A16	1.5	010	S	-NS		4601109		A
	09A35	.1	020	L	.		4380200		A
	09A37	.6	030	L	.		4380200		A
	09A42	2.8T	035	L	.		7470200		A
GND1120									
4601120	19A16	.3	010	S	-NS		4601120		B
	19A19	.3T	015	L	.		4390000		B
GND1131									
4601131	31A16	.7	010	S	-NS		4601131		A
	31A26	.7T	015	L	.		6850520		A
GND1702									
4601702	02B14	.1	010	L	.		1601312		A
	02B16	.4	020	S	-NS		4601702		A
	02B22	.8	030	L	.		1602500		A
	02B31	.7	040	L	.		1600502		A
	02B41	.2	050	L	.		1606504		A
	02B40	2.2T	055	L	.		1600500		A
GND1703									
4601703	03B11	.6	010	L	.		4500702		A
	03B16	1.6	020	S	-NS		4601703		A
	03B38	2.2T	025	L	.		4500602		A
GND1704									
4601704	04B14	.1	010	L	.		1581312		A
	04B16	.4	020	S	-NS		4601704		A
	04B22	.8	030	L	.		1582500		A
	04B31	.7	040	L	.		1580502		A
	04B41	.2	050	L	.		1586504		A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04B40	2.2T	055	L	.		1580500	A	
GND1705 4601705	05B14	.1	010	L	.		1561312	A	
	05B16	.4	020	S	-NS		4601705	A	
	05B22	.8	030	L	.		1562500	A	
	05B31	.7	040	L	.		1560502	A	
	05B41	.2	050	L	.		1566504	A	
	05B40	2.2T	055	L	.		1560500	A	
GND1706 4601706	06B14	.1	010	L	.		1541312	A	
	06B16	.4	020	S	-NS		4601706	A	
	06B22	.8	030	L	.		1542500	A	
	06B31	.7	040	L	.		1540502	A	
	06B41	.2	050	L	.		1546504	A	
	06B40	2.2T	055	L	.		1540500	A	
GND1707 4601707	07B14	.1	010	L	.		1521312	A	
	07B16	.4	020	S	-NS		4601707	A	
	07B22	.8	030	L	.		1522500	A	
	07B31	.7	040	L	.		1520502	A	
	07B41	.2	050	L	.		1526504	A	
	07B40	2.2T	055	L	.		1520500	A	
GND1708 4601708	08B11	.6	010	L	.		4500552	A	
	08B16	1.6	020	S	-NS		4601708	A	
	08B38	2.2T	025	L	.		4500502	A	
GND1709 4601709	09B14	.1	010	L	.		1501312	A	
	09B16	.4	020	S	-NS		4601709	A	
	09B22	.8	030	L	.		1502500	A	
	09B31	.7	040	L	.		1500502	A	
	09B41	.2	050	L	.		1506504	A	
	09B40	2.2T	055	L	.		1500500	A	
GND1710 4601710	10B14	.1	010	L	.		1481312	A	
	10B16	.4	020	S	-NS		4601710	A	
	10B22	.8	030	L	.		1482500	A	
	10B31	.7	040	L	.		1480502	A	
	10B41	.2	050	L	.		1486504	A	
	10B40	2.2T	055	L	.		1480500	A	
GND1711 4601711	11B14	.1	010	L	.		1461312	A	
	11B16	.4	020	S	-NS		4601711	A	
	11B22	.8	030	L	.		1462500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11B31	.7	040	L	.	1460502	A	
		11B41	.2	050	L	.	1466504	A	
		11B40	.1	060	L	.	1460500	A	
		11B42	.1	070	L	.	1476504	A	
		11B44	2.4T	075	L	.	1466504	A	
GND1715 4601715		15B16	.2	010	S	-NS	4601715	A	
		15B17	.7	020	L	.	1042104	A	
		15B27	.9T	025	L	.	1002104	A	
GND1716 4601716		16B16	.2	010	S	-NS	4601716	A	
		16B17	.7	020	L	.	1122104	A	
		16B27	.9T	025	L	.	1102104	A	
GND1717 4601717		17B16	.2	010	S	-NS	4601717	A	
		17B17	.7	020	L	.	1202104	A	
		17B27	.9T	025	L	.	1162104	A	
GND1718 4601718		18B16	.2	010	S	-NS	4601718	A	
		18B17	.7	020	L	.	1282104	A	
		18B27	.9T	025	L	.	1242104	A	
GND1731 4601731		31B08	.6	010	L	.	6851004	A	
		31B16	.2	020	S	-NS	4601731	A	
		31B17	.5	030	L	.	4610920	A	
		31B20	1.4	040	L	.	6910020	A	
		31B37	2.7T	045	L	.	4610040	A	
GND1802 4601802		01B14	.1	010	L	.	1621312	A	
		01B16	.4	020	S	-NS	4601802	A	
		01B22	.8	030	L	.	1622500	A	
		01B31	.7	040	L	.	1620502	A	
		01B41	.2	050	L	.	1626504	A	
		01B40	2.2T	055	L	.	1620500	A	
GND1803 4601803		01D14	.1	010	L	.	1641312	A	
		01D16	.4	020	S	-NS	4601803	A	
		01D22	.8	030	L	.	1642500	A	
		01D31	.7	040	L	.	1640502	A	
		01D41	.2	050	L	.	1646504	A	
		01D40	2.2T	055	L	.	1640500	A	
GND1804 4601804		02D14	.1	010	L	.	1661312	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		02D16	.4	020	S	-NS	4601804	A	
		02D22	.8	030	L	.	1662500	A	
		02D31	.7	040	L	.	1660502	A	
		02D41	.2	050	L	.	1666504	A	
		02D40	2.2T	055	L	.	1660500	A	
GND1805 4601805		03D11	.6	010	L	.	4500802	A	
		03D16	1.6	020	S	-NS	4601805	A	
		03D38	.3	030	L	.	4500752	A	
		03D37	2.5T	035	L	.	4490000	A	
GND1806 4601806		05D11	.6	010	L	.	4500651	A	
		05D16	.6T	020	S	-NS	4601806	A	
GND1807 4601807		06D14	.1	010	L	.	1681312	A	
		06D16	.4	020	S	-NS	4601807	A	
		06D22	.8	030	L	.	1682500	A	
		06D31	.7	040	L	.	1680502	A	
		06D41	.2	050	L	.	1686504	A	
		06D40	2.2T	055	L	.	1680500	A	
GND1808 4601808		07D14	.1	010	L	.	1701312	A	
		07D16	.4	020	S	-NS	4601808	A	
		07D22	.8	030	L	.	1702500	A	
		07D31	.7	040	L	.	1700502	A	
		07D41	.2	050	L	.	1706504	A	
		07D40	2.2T	055	L	.	1700500	A	
GND1809 4601809		08D14	.1	010	L	.	1001312	A	
		08D16	.4	020	S	-NS	4601809	A	
		08D22	.8	030	L	.	1002500	A	
		08D31	.7	040	L	.	1000502	A	
		08D41	.2	050	L	.	1006504	A	
		08D40	2.2T	055	L	.	1000500	A	
GND1810 4601810		09D14	.1	010	L	.	1021312	A	
		09D16	.4	020	S	-NS	4601810	A	
		09D22	.8	030	L	.	1022500	A	
		09D31	.7	040	L	.	1020502	A	
		09D41	.2	050	L	.	1026504	A	
		09D40	2.2T	055	L	.	1020500	A	
GND1811 4601811		10D16	.6	010	S	-NS	4601811	A	
		10D11	.6T	015	L	.	4500152	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1813 4601813	11D14	.1	010	L	.	.	1041312	A	
	11D16	.4	020	S	-NS	.	4601813	A	
	11D22	.8	030	L	.	.	1042500	A	
	11D31	.7	040	L	.	.	1040502	A	
	11D41	.2	050	L	.	.	1046504	A	
	11D40	2.2T	055	L	.	.	1040500	A	
GND1814 4601814	13D14	.1	010	L	.	.	1061312	A	
	13D16	.4	020	S	-NS	.	4601814	A	
	13D22	.8	030	L	.	.	1062500	A	
	13D31	.7	040	L	.	.	1060502	A	
	13D41	.2	050	L	.	.	1066504	A	
	13D40	2.2T	055	L	.	.	1060500	A	
GND1815 4601815	14D16	.4	010	S	-NS	.	4601815	A	
	14D22	.8	020	L	.	.	1082500	A	
	14D31	.7	030	L	.	.	1080502	A	
	14D41	.2	040	L	.	.	1086504	A	
	14D40	2.1T	045	L	.	.	1080500	A	
GND1816 4601816	15D14	.1	010	L	.	.	1101312	A	
	15D16	.4	020	S	-NS	.	4601816	A	
	15D22	.8	030	L	.	.	1102500	A	
	15D31	.7	040	L	.	.	1100502	A	
	15D41	.2	050	L	.	.	1106504	A	
	15D40	2.2T	055	L	.	.	1100500	A	
GND1817 4601817	16D11	.6	010	L	.	.	4500252	A	
	16D16	1.6	020	S	-NS	.	4601817	A	
	16D38	2.2T	025	L	.	.	4500202	A	
GND1818 4601818	17D14	.1	010	L	.	.	1121312	A	
	17D16	.4	020	S	-NS	.	4601818	A	
	17D22	.8	030	L	.	.	1122500	A	
	17D31	.7	040	L	.	.	1120502	A	
	17D41	.2	050	L	.	.	1126504	A	
	17D40	2.2T	055	L	.	.	1120500	A	
GND1819 4601819	18D14	.1	010	L	.	.	1141312	A	
	18D16	.4	020	S	-NS	.	4601819	A	
	18D22	.8	030	L	.	.	1142500	A	
	18D31	.7	040	L	.	.	1140502	A	
	18D41	.2	050	L	.	.	1146504	A	
	18D40	2.2T	055	L	.	.	1140500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
GND1821 4601821	21D14	.1	010	L	.	.	1161312	A	
	21D16	.4	020	S	-NS	.	4601821	A	
	21D22	.8	030	L	.	.	1162500	A	
	21D31	.7	040	L	.	.	1160502	A	
	21D41	.2	050	L	.	.	1166504	A	
	21D40	2.2T	055	L	.	.	1160500	A	
GND1822 4601822	22D14	.1	010	L	.	.	1181312	A	
	22D16	.4	020	S	-NS	.	4601822	A	
	22D22	.8	030	L	.	.	1182500	A	
	22D31	.7	040	L	.	.	1180502	A	
	22D41	.2	050	L	.	.	1186504	A	
	22D40	2.2T	055	L	.	.	1180500	A	
GND1823 4601823	23D11	.6	010	L	.	.	4500352	A	
	23D16	1.6	020	S	-NS	.	4601823	A	
	23D38	2.2T	025	L	.	.	4500302	A	
GND1824 4601824	24D14	.1	010	L	.	.	1201312	A	
	24D16	.4	020	S	-NS	.	4601824	A	
	24D22	.8	030	L	.	.	1202500	A	
	24D31	.7	040	L	.	.	1200502	A	
	24D41	.2	050	L	.	.	1206504	A	
	24D40	2.2T	055	L	.	.	1200500	A	
GND1825 4601825	25D14	.1	010	L	.	.	1221312	A	
	25D16	.4	020	S	-NS	.	4601825	A	
	25D22	.8	030	L	.	.	1222500	A	
	25D31	.7	040	L	.	.	1220502	A	
	25D41	.2	050	L	.	.	1226504	A	
	25D40	2.2T	055	L	.	.	1220500	A	
GND1827 4601827	26D14	.1	010	L	.	.	1241312	A	
	26D16	.4	020	S	-NS	.	4601827	A	
	26D22	.8	030	L	.	.	1242500	A	
	26D31	.7	040	L	.	.	1240502	A	
	26D41	.2	050	L	.	.	1246504	A	
	26D40	2.2T	055	L	.	.	1240500	A	
GND1828 4601828	27D40	.2	010	L	.	.	1260500	A	
	27D41	.7	020	L	.	.	1266504	A	
	27D31	.8	030	L	.	.	1260502	A	
	27D22	.4	040	L	.	.	1272500	A	
	27D16	.1	050	S	-NS	.	4601828	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		27D14	2.2T	060	L	.	1261312	A	
GND1829									
4601829	29D11	.6	010	L	.		4500452	A	
	29D16	1.5	020	S	-NS		4601829	A	
	29D35	.5	030	L	.		7504100	A	
	29D38	2.6T	035	L	.		4500402	A	
GND1830									
4601830	30D14	.1	010	L	.		1281312	A	
	30D16	.4	020	S	-NS		4601830	A	
	30D22	.8	030	L	.		1282500	A	
	30D31	.7	040	L	.		1280502	A	
	30D41	.2	050	L	.		1286504	A	
	30D40	2.2T	055	L	.		1280500	A	
GND1831									
4601831	31D14	.1	010	L	.		1301312	A	
	31D16	.4	020	S	-NS		4601831	A	
	31D22	.8	030	L	.		1302500	A	
	31D31	.6	040	L	.		1300502	A	
	31D36	.3	050	L	.		1310500	A	
	31D40	.2	060	L	.		1300500	A	
	31D41	2.4T	065	L	.		1306504	A	
GND1832									
4601832	32D00	.1	010	S	-GND		4601832	A	
	32D02	.3	020	L	.		4601833	A	
	32D05	.3	030	L	.		4601832	A	
	32D09	.1	040	L	.		4601832	A	
	32D11	.1	050	L	.		4601832	A	
	32D13	.1	060	L	.		4601832	A	
	32D15	.3	070	L	.		4601832	A	
	32D16	.3	080	L	.		4601832	A	
	32D20	.3	090	L	.		4601832	A	
	32D23	.1	100	L	.		4601832	A	
	32D25	.1	110	L	.		4601832	A	
	32D27	.1	120	L	.		4601832	A	
	32D29	.1	130	L	.		4601833	A	
	32D31	.3	140	L	.		4601833	A	
	32D32	.3	150	L	.		4601833	A	
	32D35	.1	160	L	.		4601833	A	
	32D37	.1	170	L	.		4601833	A	
	32D39	.1	180	L	.		4601833	A	
	32D41	.5	190	L	.		4601833	A	
	32D44	.1	200	L	.		4601833	A	
	32D46	.1	210	L	.		4601833	A	
	32D48	3.9T	220	L	.		4601833	A	
GND1901									
4601901	01C13	.3	010	L	.		1500116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	01C17	.2	020	L	.	.	1480116	A	
	01C16	.3	030	S	-NS	.	4601901	A	
	01C20	.3	040	L	.	.	1500116	A	
	01C24	.2	050	L	.	.	1490116	A	
	01C25	.9	060	L	.	.	1480116	A	
	01C37	.6	070	L	.	.	1510116	A	
	01C42	.2	080	L	.	.	1520116	A	
	01C43	.3	090	L	.	.	1530116	A	
	01C47	3.3T	095	L	.	.	1540116	A	
GND1902									
4601902	02C16	.3	010	S	-NS	.	4601902	A	
	02C20	.1	020	L	.	.	1490114	A	
	02C22	.4T	025	L	.	.	1480114	A	
GND1903									
4601903	03C13	.4	010	L	.	.	1580116	A	
	03C19	.1	020	L	.	.	6850104	A	
	03C17	.2	030	L	.	.	1550116	A	
	03C16	.3	040	S	-NS	.	4601903	A	
	03C20	.3	050	L	.	.	1580116	A	
	03C24	.2	060	L	.	.	1550116	A	
	03C25	.9	070	L	.	.	1570116	A	
	03C37	.2	080	L	.	.	1560116	A	
	03C36	2.6T	085	L	.	.	1560116	A	
GND1907									
4601907	06C13	.3	010	L	.	.	1660116	A	
	06C17	.2	020	L	.	.	1630116	A	
	06C16	.3	030	S	-NS	.	4601907	A	
	06C20	.3	040	L	.	.	1660116	A	
	06C24	.2	050	L	.	.	1630116	A	
	06C25	.9	060	L	.	.	1650116	A	
	06C37	.2	070	L	.	.	1620116	A	
	06C36	2.4T	075	L	.	.	1620116	A	
GND1909									
4601909	07C16	.6	010	S	-NS	.	4601909	A	
	07C23	.9	020	L	.	.	4301400	A	
	07C35	.5	030	L	.	.	4300300	A	
	07C38	.2	040	L	.	.	4301300	A	
	07C39	.3	050	L	.	.	4300300	A	
	07C43	2.5T	055	L	.	.	4300500	A	
GND1912									
4601912	11C13	.4	010	L	.	.	1710116	A	
	11C19	.1	020	L	.	.	5980200	A	
	11C17	.2	030	L	.	.	1690116	A	
	11C16	.3	040	S	-NS	.	4601912	A	
	11C20	.3	050	L	.	.	1710116	A	
	11C24	.2	060	L	.	.	1690116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11C25	.9	070	L	.	1700116	A	
		11C37	2.4T	075	L	.	1000116	A	
GND1913 4601913		12C09	.8	010	L	.	4306300	A	
		12C16	.6	020	S	-NS	4601913	A	
		12C23	1.2	030	L	.	4305400	A	
		12C39	.3	040	L	.	4304300	A	
		12C43	2.9T	045	L	.	4304500	A	
GND1916 4601916		17C12	.1	010	L	.	1040312	A	
		17C14	.1	020	L	.	1040312	A	
		17C16	.4	030	S	-NS	4601916	A	
		17C22	1.2	040	L	.	1030314	A	
		17C38	1.8T	045	L	.	1000312	A	
GND1917 4601917		16C08	.6	010	L	.	1080310	A	
		16C16	.2	020	S	-NS	4601917	A	
		16C17	.5	030	L	.	1080116	A	
		16C20	1.4	040	L	.	1100116	A	
		16C37	2.7T	045	L	.	1040116	A	
GND1918 4601918		18C14	.1	010	L	.	1290312	A	
		18C16	1.6	020	S	-NS	4601918	A	
		18C38	1.7T	025	L	.	1680312	A	
GND1920 4601920		20C14	.1	010	L	.	1250312	A	
		20C16	1.6	020	S	-NS	4601920	A	
		20C38	1.7T	025	L	.	1640312	A	
GND1921 4601921		21C08	.6	010	L	.	6850204	A	
		21C16	.2	020	S	-NS	4601921	A	
		21C17	.5	030	L	.	1150116	A	
		21C20	1.4	040	L	.	1170116	A	
		21C37	2.7T	045	L	.	1110116	A	
GND1925 4601925		25C14	.1	010	L	.	1210312	A	
		25C16	.4	020	S	-NS	4601925	A	
		25C22	1.2	030	L	.	1630314	A	
		25C38	1.7T	035	L	.	1600312	A	
GND1926 4601926		26C08	.6	010	L	.	6850304	A	
		26C16	.2	020	S	-NS	4601926	A	
		26C17	.5	030	L	.	1230116	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		26C20	1.4	040	L	.	1180116	A	
		26C37	2.7T	045	L	.	1190116	A	
GND1927									
4601927	27C14	.1	010	L	.	.	1170312	A	
	27C16	.4	020	S	-NS	.	4601927	A	
	27C22	1.2	030	L	.	.	1590314	A	
	27C38	1.7T	035	L	.	.	1560312	A	
GND1929									
4601929	29C14	.1	010	L	.	.	1130312	A	
	29C16	.4	020	S	-NS	.	4601929	A	
	29C22	1.2	030	L	.	.	1550314	A	
	29C38	1.7T	035	L	.	.	1520312	A	
GND1930									
4601930	30C08	.6	010	L	.	.	6850904	A	
	30C16	.2	020	S	-NS	.	4601930	A	
	30C17	.5	030	L	.	.	1260116	A	
	30C20	1.4	040	L	.	.	1250116	A	
	30C37	2.7T	045	L	.	.	1280116	A	
GND1931									
4601931	31C14	.1	010	L	.	.	1100312	A	
	31C16	.4	020	S	-NS	.	4601931	A	
	31C22	1.2	030	L	.	.	1510314	A	
	31C38	1.7T	035	L	.	.	1480312	A	
GXAD									
4610030	19B06	4.8	005	T	T	.		A	
	28B02	.3	010	L	.	.	4610080	A	
	28B01	2.1	020	L	.	.	4610500	A	
	28B29	1.4	030	L	.	.	4610100	A	
	31B26	8.6T	035	S	NFF	.	4610030	A	
4610040-1	31B46	.0T	005	S	+	.	4610040	A	I
GXAD/7									
4610080	32C43	4.1	005	T	T	.		A	
	31021	.5	010	L	.	.	1302500	A	
	30021	1.5	020	L	.	.	1282500	A	
	27021	.5	030	L	.	.	1272500	A	
	26021	12.7	040	L	.	.	1242500	A	
	28B05	19.3T	050	S	B	.	4610080	A	
GXAD/A									
4610100	05C07	4.7	005	T	T	.		A	
	06B21	.5	010	L	.	.	1542500	A	
	07B21	1.0	020	L	.	.	1522500	A	
	09B21	.5	030	L	.	.	1502500	A	
	10B21	.5	040	L	.	.	1482500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11821	8.7	050	L	.	1462500	A	
		28826	15.9T	055	S	B	4610100	A	
GXAD/B 4610200	28825	11.8	010	S	B		4610200	A	
	05821	.5	020	L	.		1562500	A	
	04821	1.0	030	L	.		1582500	A	
	02821	.5	040	L	.		1602500	A	
	01821	10.5	050	L	.		1622500	A	
	01021	1.7	055	L	.		1642500	A	
	04014	26.0T	060	T	T			A	
GXAD/C 4610300	28827	19.5	010	S	B		4610300	A	
	09021	.5	020	L	.		1022500	A	
	08021	.5	030	L	.		1002500	A	
	07021	.5	040	L	.		1702500	A	
	06021	2.0	050	L	.		1682500	A	
	02021	1.0	055	L	.		1662500	A	
	04021	24.0T	060	T	T			A	
GXAD/D 4610400	28828	15.2	010	S	B		4610400	A	
	17021	1.0	020	L	.		1122500	A	
	15021	.5	030	L	.		1102500	A	
	14021	.5	040	L	.		1082500	A	
	13021	1.0	050	L	.		1062500	A	
	11021	.3	055	L	.		1042500	A	
	12020	18.5T	060	T	T			A	
GXAD/E 4610500	28817	12.3	010	S	B		4610500	A	
	25021	.5	020	L	.		1222500	A	
	24021	1.0	030	L	.		1202500	A	
	22021	.5	040	L	.		1182500	A	
	21021	1.5	050	L	.		1162500	A	
	18021	4.5	055	L	.		1142500	A	
	12002	20.3T	060	T	T			A	
NGXAND 4610900	31802	.0T	005	S	FF		4610900	A	I
GXAND 4610910	20020	13.3	005	T	T			A	
	27833	.8	010	L	.		4620100	A	
	27824	.3	020	L	.		4620500	A	
	27823	2.1	030	L	.		4620000	A	
	31821	16.5T	035	S	NFF		4610910	A	
4610920-1	31818	.0T	005	S	+		4610920	A	I

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
GXAND/7									
4620000	27B25	11.0	010	S	B		4620000	A	
	26025	.5	020	L	.		1242502	A	
	27025	1.5	030	L	.		1262502	A	
	30025	.5	040	L	.		1282502	A	
	31025	4.2	045	L	.		1302502	A	
	32C45	17.7T	050	T	T			A	
GXAND/A									
4620100	05C09	4.5	005	T	T			A	
	06B25	.5	010	L	.		1542502	A	
	07B25	1.0	020	L	.		1522502	A	
	09B25	.5	030	L	.		1502502	A	
	10B25	.5	040	L	.		1482502	A	
	11B25	8.7	050	L	.		1462502	A	
	27B36	15.7T	055	S	B		4620100	A	
GXAND/B									
4620200	27B41	12.2	010	S	B		4620200	A	
	05B25	.5	020	L	.		1562502	A	
	04B25	1.0	030	L	.		1582502	A	
	02B25	.5	040	L	.		1602502	A	
	01B25	10.5	050	L	.		1622502	A	
	01025	2.1	055	L	.		1642502	A	
	04017	26.8T	060	T	T			A	
GXAND/C									
4620300	27B35	18.7	010	S	B		4620300	A	
	09025	.5	020	L	.		1022502	A	
	08025	.5	030	L	.		1002502	A	
	07025	.5	040	L	.		1702502	A	
	06025	2.0	050	L	.		1682502	A	
	02025	1.0	055	L	.		1662502	A	
	04025	23.2T	060	T	T			A	
GXAND/D									
4620400	27B34	14.5	010	S	B		4620400	A	
	17025	1.0	020	L	.		1122502	A	
	15025	.5	030	L	.		1102502	A	
	14025	.5	040	L	.		1082502	A	
	13025	1.0	050	L	.		1062502	A	
	11025	.3	055	L	.		1042502	A	
	12024	17.8T	060	T	T			A	
GXAND/E									
4620500	27B26	11.1	010	S	B		4620500	A	
	25025	.5	020	L	.		1222502	A	
	24025	1.0	030	L	.		1202502	A	
	22025	.5	040	L	.		1182502	A	
	21025	1.5	050	L	.		1162502	A	
	18025	1.0	055	L	.		1142502	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	20D25	15.6T	060	T	T			A	
KFPXSL 5550000	06A03	3.1	005	S	-NS		5550050	A	
	06A45	.9	010	S	-NS		5550000	A	
	08A46	14.1	012	T	T			A	
	31A15	18.1T	015	L	.		4400850	A	
KFPXSMISC 5551000	06A01	1.5	005	S	-NS		5551000	A	
	08A10	12.3	010	T	T			A	
	28A39	13.8T	020	L	.		4400550	A	
KFPXSU 5552000	06A47	1.0	010	S	-NS		5552000	A	
	08A47	10.9	012	T	T			A	
	30A44	3.5	014	S	B		5552010	A	
	31A07	15.4T	015	L	.		4401200	A	
NKSXA 5600000	06A07	1.9	010	S	-NS		5600000	A	
	08A19	9.2	012	T	T			A	
	26A12	5.2	015	C	C			A	
	26B12	1.0	016	C	C			A	
	28B12	1.1	020	L	.		7520440	A	
	30B14	1.8	030	L	.		7520100	A	
	30B38	.3	040	L	.		6911080	A	
	30B37	20.5T	045	L	.		6911140	A	
KSXB 5600100	06A22	2.7	010	S	-NS		5600100	A	
	08A43	9.8	012	T	T			A	
	26A28	5.2	013	C	C			A	
	26B28	2.9	014	C	C			A	
	30B40	20.6T	015	L	.		7670192	A	
NKSXB 5600200	06A20	1.0	010	S	-NS		5600200	A	
	08A20	10.2	012	T	T			A	
	26A04	5.2	015	C	C			A	
	26B04	2.3	022	C	C			A	
	30B07	18.7T	025	L	.		7520100	A	
NKSXD 5600300	06A29	1.8	010	S	-NS		5600300	A	
	08A42	12.0	012	T	T			A	
	26A05	5.2	015	C	C			A	
	26B05	2.1	016	C	C			A	
	30B08	1.1	018	L	.		7520100	A	
	30B21	.3	020	L	.		6912140	A	
	30B22	.2	030	L	.		6912080	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		30B23	.3	035	L	.	6912040	A	
		30B24	.6	040	L	.	6911840	A	
		30B31	.6	050	L	.	7520500	A	
		30B39	24.2T	055	L	.	6911740	A	
M1									
5810000	20A17	2.0	005	T	T			A	
	16A17	1.4	010	L	.		7670110	A	
	14A11	4.1	020	L	.		5941000	A	
	21A03	1.1	030	L	.		5810150	A	
	22A11	5.2	035	C	C			A	
	22B11	3.7	036	C	C			A	
	16B01	15.6	040	L	.		1132102	A	
	23D24	33.1T	045	S	B		5810000	A	
(NM1.NM2)									
5810150	20A09	1.5	005	T	T			A	
	17A09	2.3	010	L	.		7660100	A	
	21A05	1.0	020	S	I		5810160	A	
	21A19	4.8T	025	S	I		5810150	A	
M2									
5810200	20A10	3.3	005	T	T			A	
	25A03	2.2	010	L	.		5941400	A	
	21A02	.9	020	L	.		5810160	A	
	19A05	2.0	030	L	.		5941410	A	
	17A19	2.9	040	L	.		7660100	A	
	22A10	5.2	045	C	C			A	
	22B10	3.2	046	C	C			A	
	16B05	13.3	050	L	.		1142102	A	
	19D24	33.0T	055	S	B		5810200	A	
MIT									
5940000	21A15	3.2	005	S	I		5940000	A	
	19A45	1.8	010	S	B		5940100	A	
	16A41	3.0	020	L	.		7670160	A	
	10A41	4.0	030	L	.		7591400	A	
	14A10	1.6	040	L	.		5941000	A	
	17A08	1.1	050	L	.		7660100	A	
	19A06	.6	060	L	.		5941410	A	
	19A13	.8	070	L	.		5941420	A	
	21A12	3.0	080	L	.		5940200	A	
	25A26	5.0	100	L	.		3991550	A	
	31A03	.3	105	L	.		6850724	A	
	32A02	24.4T	110	T	T			A	
NMIT									
5940200	21A11	2.5	010	S	I		5940200	A	
	19A31	3.9	020	L	.		4322200	A	
	27A28	2.0	030	L	.		3499000	A	
	27A05	1.8	040	L	.		3204100	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	30A09	.5	050	L	.	.	3305700	A	
	30A12	1.2	055	L	.	.	3502500	A	
	32A13	11.9T	060	T	T	.		A	
(MIT.M1)									
5941000	10A33	4.2	010	L	.	.	7592400	A	
	17A20	2.8	020	L	.	.	7660100	A	
	14A01	7.0T	025	S	B	.	5941000	A	
(MIT.(M2-SW2))									
5941400	20A14	1.8	005	T	T	.		A	
	16A15	2.0	010	L	.	.	7670110	A	
	19A04	1.5	020	S	B	.	5941410	A	
	21A01	1.9	025	L	.	.	5942000	A	
	25A02	2.7	030	S	I	.	5941400	A	
	25A38	9.9T	035	L	.	.	3992050	A	
N(MIT.(M2-SW2))									
5942000	08A40	1.0	005	T	T	.		A	
	10A40	7.5	010	L	.	.	7591400	A	
	21A17	2.6	020	S	I	.	5942000	A	
	25A25	11.1T	025	L	.	.	3991550	A	
MUL									
5978000	28A41	1.3	010	L	.	.	3503600	A	
	28A23	1.3	020	L	.	.	3503500	A	
	27A30	1.9	030	L	.	.	3003000	A	
	25A18	1.8	035	L	.	.	6850726	A	
	23A05	3.2	040	L	.	.	4322100	A	
	19A18	2.6	050	L	.	.	4390000	A	
	17A43	2.1	060	L	.	.	3301720	A	
	14A35	2.4	070	S	B	.	5978000	A	
	13A09	1.3	080	L	.	.	5978100	A	
	11A05	2.4	090	L	.	.	7670166	A	
	10A31	1.7	100	L	.	.	7592300	A	
	12A41	5.2	102	C	C	.		A	
	12B41	3.1	103	C	C	.		A	
	13C08	30.3T	105	L	.	.	1000118	A	
NMUL									
5978100	21A13	5.6	010	L	.	.	5940000	A	
	11A06	1.3	020	L	.	.	7670168	A	
	13A10	.7	030	S	I	.	5978100	A	
	12A05	5.2	032	C	C	.		A	
	12B05	6.1	033	C	C	.		A	
	13C12	5.7	035	L	.	.	1080118	A	
	05C39	24.6T	040	T	T	.		A	
MWN									
5980000	10A05	.1	010	L	.	.	4380300	A	
	10A03	.3	020	L	.	.	4380300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	11A02	5.0	030	L	.		7670168	A	
	18A22	2.4	040	L	.		7591700	A	
	16A45	2.9	050	L	.		7670162	A	
	12A33	5.2	055	C	C			A	
	12B33	2.7	056	C	C			A	
	16B23	6.7	060	L	.		1092102	A	
	11C06	10.0	070	S	FF		5980000	A	
	05D33	5.9	080	L	.		7670171	A	
	14D10	4.0	090	L	.		1081312	A	
	19D30	2.0	100	L	.		5810200	A	
	23D30	47.2T	105	L	.		5810000	A	
NMWN									
5980100	16A01	3.0	010	L	.		7670110	A	
	11A04	1.2	020	L	.		7670166	A	
	10A14	.3	030	L	.		4380400	A	
	10A18	2.4	040	L	.		4380400	A	
	12A03	5.2	042	C	C			A	
	12B03	6.0	043	C	C			A	
	11C07	10.3	045	S	NFF		5980100	A	
	05D35	28.4T	050	L	.		7670173	A	
N02									
6502100	13A43	2.7	010	L	.		6850872	A	
	13A08	3.9	020	L	.		7503000	A	
	19A20	2.3	030	L	.		4390000	A	
	20A43	6.5	035	T	T			A	
	28A09	1.2	040	L	.		3300400	A	
	28A22	2.1	050	L	.		3503500	A	
	26A41	5.2	055	C	C			A	
	26B41	3.0	056	C	C			A	
	32B41	10.8	060	S	-NS		6502100	A	
	18C18	4.3	070	L	.		7590200	A	
	13C42	.3	080	L	.		1040118	A	
	13C46	3.3	090	L	.		1060118	A	
	13C02	3.5	100	L	.		1070118	A	
	07C13	49.1T	105	L	.		4302300	A	
06									
6506000	08A21	1.0	005	T	T			A	
	10A21	1.5	010	L	.		4380400	A	
	10A02	2.3	020	L	.		4380300	A	
	14A05	.9	030	L	.		6850482	A	
	14A17	.5	040	L	.		6850570	A	
	14A20	1.8	050	L	.		6850670	A	
	14A44	.4	060	L	.		3931000	A	
	14A38	1.2	070	L	.		5978000	A	
	14A25	.9	080	L	.		6850480	A	
	16A26	.8	090	L	.		4390300	A	
	17A25	1.0	100	L	.		3303800	A	
	18A14	3.3	110	L	.		3501500	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
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1	8	15	21	28	33	37	41	77	
	23A23	.9	120	L	.		6850524	A	
	25A20	.7	130	L	.		6850624	A	
	26A21	5.2	132	C	C			A	
	26B21	7.5	133	C	C			A	
	28C40	29.9T	135	S	I		6506000	A	
N06									
6506100	08A15	1.6	005	T	T			A	
	11A13	2.5	010	L	.		4335100	A	
	16A13	.9	020	L	.		3306700	A	
	17A04	2.3	030	L	.		3165100	A	
	19A22	.1	040	L	.		6850486	A	
	19A24	3.3	050	L	.		6850486	A	
	25A23	2.7	060	L	.		7800200	A	
	28A07	2.9	070	L	.		3800100	A	
	30A33	2.1	080	L	.		4496000	A	
	28A20	2.4	090	L	.		4350000	A	
	26A43	5.2	095	C	C			A	
	26B43	6.7	096	C	C			A	
	20C23	5.9	100	L	.		1670314	A	
	28C50	7.8	110	L	.		6506000	A	
	32B42	46.4T	120	S	-NS		6506100	A	
07									
6507000	08A06	1.1	005	T	T			A	
	10A04	5.0	010	L	.		4380300	A	
	14A43	1.1	020	L	.		5978000	A	
	16A46	4.1	030	L	.		7670164	A	
	22A35	5.2	032	C	C			A	
	22B35	1.8	033	C	C			A	
	23B17	18.3T	035	S	I		6507000	A	
N07									
6507100	08A18	1.3	005	T	T			A	
	10A17	3.5	010	L	.		4380400	A	
	14A37	1.7	020	L	.		3931000	A	
	16A47	3.6	030	L	.		7670164	A	
	22A39	5.2	035	C	C			A	
	22B39	3.3	036	C	C			A	
	23B01	7.6	040	L	.		6507000	A	
	32B43	26.2T	045	S	-NS		6507100	A	
PH1									
6850100	28A40	5.4	010	L	.		3503600	A	
	18A34	3.3	015	L	.		4380800	A	
	13A21	.5	020	L	.		3301730	A	
	12A21	5.2	025	C	C			A	
	12B21	4.0	026	C	C			A	
	17B01	8.6	030	L	.		1212102	A	
	21C19	5.7	040	L	.		6850204	A	
	11C09	.2	050	L	.		5980300	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		11C08	4.1	060	L	.	5980200	A	
		03C06	7.0	070	S	FF	6850100	A	
		03D30	44.0T	075	L	.	4490000	A	
NPH1									
6850102	27A24	4.2	010	L	.		3499000	A	
	21A08	5.7	020	L	.		4090000	A	
	11A18	.5	030	L	.		7470700	A	
	12A18	5.2	035	C	C			A	
	12B18	8.6	036	C	C			A	
	03C07	.3	040	S	NFF		6850102	A	
	03C08	20.1	050	L	.		6850104	A	
	29D31	44.6T	055	L	.		7504000	A	
PH2									
6850200	08A05	1.8	005	T	T			A	
	11A01	.1	010	L	.		7670168	A	
	11A03	1.7	020	L	.		7670166	A	
	10A19	11.3	030	L	.		4380400	A	
	30A38	4.2	040	L	.		4496000	A	
	26A08	5.2	045	C	C			A	
	26B08	.5	046	C	C			A	
	27B08	5.1	050	L	.		6850250	A	
	17B05	7.2	060	L	.		1222102	A	
	21C06	3.6	070	S	FF		6850200	A	
	26C19	7.2	080	L	.		6850304	A	
	13C09	.1	090	L	.		1000118	A	
	13C11	5.8	100	L	.		1080118	A	
	14D14	53.8T	105	L	.		1081312	A	
NPH2									
6850202	27A39	2.8	010	L	.		3992600	A	
	23A30	.5	020	L	.		7670120	A	
	22A30	5.2	025	C	C			A	
	22B30	3.7	026	C	C			A	
	21C07	10.8	030	S	NFF		6850202	A	
	29D30	23.0T	035	L	.		7504000	A	
(PH2.A0)									
6850250	27B06	15.0	010	S	B		6850250	A	
	14C50	1.5	020	L	.		3300700	A	
	13C35	1.4	030	L	.		1010118	A	
	16C36	9.4	035	L	.		1040116	A	
	32C21	27.3T	040	T	T			A	
PH3									
6850300	28A03	1.8	010	L	.		3300400	A	
	28A24	1.5	020	L	.		3503500	A	
	26A35	5.2	025	C	C			A	
	26B35	3.4	026	C	C			A	
	31B47	4.9	030	L	.		6850404	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	26C06	8.9	040	S	FF		6850300	A	
	10C18	1.0	050	L	.		4004200	A	
	08C18	10.7	060	L	.		4000200	A	
	17B09	37.4T	075	L	.		1232102	A	
PH4									
6850400	08A38	1.0	005	T	T			A	
	10A38	3.3	010	L	.		7592300	A	
	13A14	1.1	020	L	.		7503000	A	
	14A06	1.5	030	L	.		6850482	A	
	14A26	1.1	040	L	.		6850480	A	
	15A21	2.1	050	L	.		4491000	A	
	19A23	.8	060	L	.		6850486	A	
	18A27	.1	070	L	.		7670180	A	
	18A29	3.4	080	L	.		7670184	A	
	22A50	5.2	085	C	C			A	
	22B50	2.0	086	C	C			A	
	18B50	8.5	090	L	.		1242102	A	
	31B27	30.1T	095	S	FF		6850400	A	
NPH4									
6850402	23B43	.2	010	L	.		3990000	A	
	23B42	.3	020	L	.		3990100	A	
	23B38	.2	030	L	.		3992200	A	
	23B39	.1	040	L	.		3992300	A	
	23B37	.6	050	L	.		3992100	A	
	23B30	4.1	060	L	.		3990200	A	
	31B28	5.5T	065	S	NFF		6850402	A	
6850404-1	31B50	.0T	005	S	+		6850404	A	I
(PH4.06.DSN)									
6850480	14A33	2.2	010	S	B		6850480	A	
	18A26	3.8	020	L	.		7670180	A	
	25A30	3.7	022	L	.		6850726	A	
	31A40	.5	025	L	.		6850620	A	
	32A40	10.2T	030	T	T			A	
(PH4.06.NDSN)									
6850482	21A09	4.0	010	L	.		7670500	A	
	14A12	4.1	020	S	B		6850482	A	
	18A40	6.9	030	L	.		7592700	A	
	31A46	.5	035	L	.		6850520	A	
	32A46	15.5T	040	T	T			A	
(PH4.N06+PH5.N06)									
6850486	15A22	.5	010	L	.		3140000	A	
	15A19	1.1	020	L	.		3150000	A	
	17A17	1.2	030	L	.		3165200	A	
	17A02	1.0	040	L	.		3165100	A	
	19A02	8.4	050	S	B		6850486	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	31A34	.5	055	L	.		6850522	A	
	32A34	12.7T	060	T	T			A	
NPH5									
6850500	09A02	5.1	010	S	FF		6850500	A	
	16A24	5.8	020	L	.		4390300	A	
	25A06	3.5	025	L	.		6850575	A	
	20A20	14.4T	030	T	T			A	
PH5									
6850502	32A45	2.2	005	T	T			A	
	28A44	3.8	010	L	.		3991050	A	
	23A26	.1	020	L	.		4082200	A	
	23A24	2.4	030	L	.		6850524	A	
	19A17	1.5	040	L	.		6850486	A	
	19A34	.4	050	L	.		4082400	A	
	19A28	1.1	060	L	.		4022200	A	
	17A26	1.8	070	L	.		3303800	A	
	17A05	.5	080	L	.		7660200	A	
	16A05	1.6	090	L	.		3306700	A	
	16A27	1.3	100	L	.		4390300	A	
	14A31	3.2	110	L	.		6850570	A	
	09A21	2.5	120	S	NFF		6850502	A	
	10A50	1.0	130	L	.		7591300	A	
	12A50	5.2	132	C	C			A	
	12B50	5.3	133	C	C			A	
	18B23	33.9T	135	L	.		1252102	A	
6850504-1	09A18	.0T	005	S	+		6850504	A	I
N(S/PH5)									
6850520	08A24	.7	005	T	T			A	
	09A25	7.5	010	L	.		6850504	A	
	23A34	4.3	020	S	I		6850524	A	
	31A30	12.5T	025	S	I		6850520	A	
(PH5.06.ASN.NSW2)									
6850570	14A15	2.8	010	S	B		6850570	A	
	18A29	.8	030	L	.		7670184	A	
	18A37	6.9	040	L	.		7592700	A	
	31A43	.3	045	L	.		6850622	A	
	32A42	10.8T	050	T	T			A	
(PH5+PH6+PH8)									
6850575	08A26	1.1	005	T	T			A	
	10A24	3.3	010	L	.		7470300	A	
	16A28	5.7	020	L	.		4390300	A	
	25A12	10.1T	025	S	I		6850575	A	
NPH6									
6850600	09A04	8.2	010	S	FF		6850600	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25A05	3.5	015	L	.		6850575	A	
	20A19	11.7T	020	T	T			A	
PH6 6850602	09A05	3.7	010	S	NFF		6850602	A	
	14A21	1.6	020	L	.		6850670	A	
	17A24	4.3	030	L	.		3303810	A	
	23A06	2.2	040	L	.		4322100	A	
	25A21	2.6	050	L	.		6850624	A	
	28A38	1.2	060	L	.		3991060	A	
	30A39	1.0	070	L	.		6850675	A	
	32A39	5.6	071	T	T			A	
	22A44	5.2	072	C	C			A	
	22B44	2.0	073	C	C			A	
	18B44	29.4T	075	L	.		1262102	A	
6850604-1	09A03	.0T	005	S	+		6850604	A	I
N(S/PH6) 6850620	08A25	.3	005	T	T			A	
	09A24	4.3	010	L	.		6850604	A	
	17A27	3.0	012	L	.		3303800	A	
	23A27	.5	014	L	.		4082200	A	
	23A22	1.6	016	L	.		6850524	A	
	25A14	5.1	020	S	I		6850624	A	
	31A42	14.8T	025	S	I		6850620	A	
(PH6.06.ASN.DSN) 6850670	14A14	3.9	010	S	B		6850670	A	
	17A46	7.2	030	L	.		3301700	A	
	31A47	.5	035	L	.		6850722	A	
	32A47	11.6T	040	T	T			A	
(PH6.N06) 6850675	31A36	.4	010	L	.		6850720	A	
	30A35	6.3	020	S	B		6850675	A	
	22A06	5.2	025	C	C			A	
	22B06	4.7	026	C	C			A	
	13B01	16.7	030	L	.		6850680	A	
	05D31	.8	035	L	.		7670173	A	
	04D35	34.1T	040	T	T			A	
N(PH6.N06) 6850680	32A11	2.8	005	T	T			A	
	27A07	2.9	010	L	.		3204100	A	
	27A42	2.7	020	L	.		3992600	A	
	23A31	1.5	030	L	.		7670120	A	
	22A17	5.2	035	C	C			A	
	22B17	4.5	036	C	C			A	
	13B17	4.0	040	S	I		6850680	A	
	08B37	23.6T	045	L	.		7670150	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
NPH7									
6850700	09A14	2.3	010	S	FF		6850700	A	
	10A37	2.3T	015	L	.		7592300	A	
PH7									
6850702	09A12	4.3	010	S	NFF		6850702	A	
	17A11	2.0	020	L	.		7660300	A	
	15A25	1.5	030	L	.		3970000	A	
	15A45	1.3	040	L	.		6850760	A	
	17A41	.9	050	L	.		3301720	A	
	19A38	.1	060	L	.		5940100	A	
	19A40	3.0	070	L	.		5940100	A	
	25A40	2.5	080	L	.		6850820	A	
	30A40	1.2	090	L	.		6850780	A	
	32A41	5.5	091	T	T			A	
	22A36	5.2	092	C	C			A	
	22B36	2.1	093	C	C			A	
	18B38	29.6T	095	L	.		1272102	A	
6850704-1	09A11	.0T	005	S	+		6850704	A	I
(S/PH7)									
6850710	10A36	2.2	010	L	.		7592300	A	
	13A26	2.7	020	S	I		6850710	A	
	16A42	3.0	030	L	.		7670162	A	
	16A02	2.0	035	L	.		7670110	A	
	20A02	9.9T	040	T	T			A	
N(S/PH7)									
6850720	08A12	.7	005	T	T			A	
	09A13	2.7	010	L	.		6850704	A	
	13A24	2.7	020	L	.		6850710	A	
	18A25	2.2	030	L	.		7670180	A	
	17A44	1.2	032	L	.		3301720	A	
	17A28	1.2	035	L	.		3303810	A	
	17A12	3.6	040	L	.		7660300	A	
	23A07	1.6	050	L	.		4322100	A	
	25A15	1.0	052	S	I		6850726	A	
	25A29	.9	055	L	.		6850624	A	
	25A41	3.5	060	L	.		6850820	A	
	31A50	1.7	070	L	.		6850620	A	
	31A31	1.9	080	S	I		6850720	A	
	31A05	24.9T	085	S	I		6850724	A	
(PH7.DIV.A47)									
6850760	32A24	.3	005	T	T			A	
	31A25	5.3	010	L	.		6850720	A	
	21A21	.5	020	L	.		3204200	A	
	21A24	3.8	030	L	.		4082300	A	
	15A39	1.5	040	S	B		6850760	A	
	12A39	5.2	042	C	C			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12B39	10.4	043	C	C		A	
		01C35	27.0T	045	L	.	1510116	A	
(PH7.N06)									
6850780	08A09	.9	005	T	T			A	
	10A10	3.9	010	L	.		4380500	A	
	16A21	1.6	020	L	.		3306720	A	
	17A38	.6	030	L	.		3303820	A	
	17A45	.4	040	L	.		3301710	A	
	18A42	6.6	042	L	.		4380800	A	
	30A34	14.0T	045	S	B		6850780	A	
NPH8									
6850800	09A06	8.2	010	S	FF		6850800	A	
	25A07	3.5	015	L	.		6850575	A	
	20A21	11.7T	020	T	T			A	
PH8									
6850802	09A07	3.8	010	S	NFF		6850802	A	
	11A45	1.6	020	L	.		3930600	A	
	14A40	1.2	030	L	.		6850865	A	
	14A24	1.0	040	L	.		6850860	A	
	15A29	1.0	050	L	.		3930400	A	
	16A38	4.7	060	L	.		4390200	A	
	25A39	2.3	070	L	.		6850822	A	
	27A18	3.0	080	L	.		3003000	A	
	30A37	1.0	090	L	.		6850870	A	
	32A37	6.2	091	T	T			A	
	22A21	5.2	092	C	C			A	
	22B21	2.3	093	C	C			A	
	18B22	6.4	095	L	.		1282102	A	
	15C21	39.7T	098	L	.		1466500	A	
N(S/PH8)									
6850820	08A07	.4	005	T	T			A	
	09A08	10.8	010	L	.		6850804	A	
	25A46	.3	020	S	I		6850820	A	
	25A45	11.5T	025	S	I		6850822	A	
(PH8.DIV.SW1)									
6850860	14A34	3.3	010	S	B		6850860	A	
	16A07	3.5	020	L	.		3306710	A	
	21A22	.6	030	L	.		7660400	A	
	22A20	5.2	032	C	C			A	
	22B20	6.5	033	C	C			A	
	22C35	5.7	035	L	.		1480350	A	
	32C22	24.8T	040	T	T			A	
(PH8.NDIV)									
6850865	13A34	1.4	005	S	I		6850866	A	
	14A46	2.6	010	S	B		6850865	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
	17A35	.5	020	L	.		3303830	A	
	16A35	1.8	030	L	.		4390200	A	
	16A11	4.7	040	L	.		3306720	A	
	25A04	2.7	045	L	.		4390100	A	
	20A11	13.7T	050	T	T			A	
(PH8.02.N06)									
6850870	08A23	1.0	005	T	T			A	
	10A23	3.1	010	L	.		7470400	A	
	13A45	8.9	020	S	I		6850872	A	
	30A36	13.0T	025	S	B		6850870	A	
PH9									
6850900	32A22	.3	005	T	T			A	
	31A23	.1	010	L	.		3801000	A	
	31A21	.8	020	L	.		3801100	A	
	31A12	.7	030	L	.		4400860	A	
	31A02	1.6	040	L	.		3801100	A	
	28A04	.1	050	L	.		3800000	A	
	28A06	1.5	060	L	.		3800100	A	
	28A26	2.7	070	L	.		7480000	A	
	23A21	2.0	080	L	.		4094100	A	
	22A02	5.2	085	C	C			A	
	22B02	1.9	086	C	C			A	
	18B01	7.8	090	L	.		1292102	A	
	31B19	5.0	100	L	.		6851004	A	
	30C06	29.7T	105	S	FF		6850900	A	
NPH9									
6850902	09A45	9.5	010	L	.		7591500	A	
	23A11	2.9	020	L	.		4390500	A	
	28A18	1.4	021	L	.		4399900	A	
	26A11	5.2	022	C	C			A	
	26B11	6.9	023	C	C			A	
	30C07	25.9T	025	S	NFF		6850902	A	
PH10									
6851000	32A10	.3	005	T	T			A	
	31A11	.6	010	L	.		4401300	A	
	30A13	1.1	020	L	.		6851060	A	
	28A11	1.5	030	L	.		7480100	A	
	26A06	5.2	035	C	C			A	
	26B06	2.5	036	C	C			A	
	31B06	6.4	040	S	FF		6851000	A	
	18B05	17.6T	045	L	.		1302102	A	
NPH10									
6851002	31B07	4.0	005	S	NFF		6851002	A	
	26B27	5.2	010	C	C			A	
	26A27	1.1	020	C	C			A	
	28A30	10.3T	030	L	.		4399900	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
(PH10.NFPRD)									
6851060	30A15	5.0	010	S	B		6851060	A	
	21A18	.5	020	S	I		6851062	A	
	22A18	5.2	022	C	C			A	
	22B18	18.2	023	C	C			A	
	10045	1.0	025	L	.		4500102	A	
	12045	29.9T	030	T	T			A	
PR0003									
6900100	10023	6.0	010	S	B		6900100	A	
	19043	.3	015	L	.		1712750	A	
	20042	6.3T	020	T	T			A	
PR0015									
6900120	19023	1.4	010	S	B		6900120	A	
	19038	.7	015	L	.		1712751	A	
	20039	2.1T	020	T	T			A	
PR0407									
6900140	10021	5.8	010	S	B		6900140	A	
	19040	.7	015	L	.		1032751	A	
	20041	6.5T	020	T	T			A	
PR0811									
6900160	16023	2.7	010	S	B		6900160	A	
	19039	.3	015	L	.		1032751	A	
	20038	3.0T	020	T	T			A	
PR1215									
6900180	16021	3.0	010	S	B		6900180	A	
	19041	.3	015	L	.		1112750	A	
	20040	3.3T	020	T	T			A	
PR1619									
6900200	23023	3.3	010	S	B		6900200	A	
	19005	.3	015	L	.		1152750	A	
	20004	3.6T	020	T	T			A	
PR1631									
6900210	20010	2.9	005	T	T			A	
	16022	1.5	010	S	B		6900210	A	
	19022	1.1	020	S	B		6900212	A	
	19011	2.7	030	L	.		1152751	A	
	23022	3.0	040	S	B		6900214	A	
	29022	11.2T	045	S	B		6900216	A	
PR1631-1									
6900220	19021	.0T	005	S	B		6900220	A	I
PR2023									
6900240	23021	2.9	010	S	B		6900240	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		19D10	.7 015	L	.		1152751	A	
		20D11	3.6T 020	T	T			A	
PR2427 6900260		29D23	6.0 010	S	B		6900260	A	
		19D09	.3 015	L	.		1152752	A	
		20D08	6.3T 020	T	T			A	
PR2831 6900280		29D21	6.0 010	S	B		6900280	A	
		19D07	.3 015	L	.		1192752	A	
		20D06	6.3T 020	T	T			A	
PR4771 6900300		05D23	1.4 010	S	B		6900300	A	
		05D38	.3 015	L	.		1462751	A	
		04D39	1.7T 020	T	T			A	
PR4851 6900320		08B23	13.5 010	S	B		6900320	A	
		05D40	.3 015	L	.		1462752	A	
		04D41	13.8T 020	T	T			A	
PR5255 6900340		08B21	13.3 010	S	B		6900340	A	
		05D39	.7 015	L	.		1462752	A	
		04D38	14.0T 020	T	T			A	
PR5659 6900360		03B23	10.1 010	S	B		6900360	A	
		05D05	.7 015	L	.		4500652	A	
		04D04	10.8T 020	T	T			A	
PR5671 6900380		05D21	1.5 010	S	B		6900380	A	
		05D41	.7 015	L	.		1472752	A	
		04D40	2.2T 020	T	T			A	
PR6063 6900400		03B21	10.5 010	S	B		6900400	A	
		05D10	.3 015	L	.		4500652	A	
		04D11	10.8T 020	T	T			A	
PR6467 6900420		03D23	2.0 010	S	B		6900420	A	
		05D09	.7 015	L	.		4500652	A	
		04D08	2.7T 020	T	T			A	
PR6871 6900440		03D21	2.0 010	S	B		6900440	A	
		05D07	.7 015	L	.		1592752	A	



XEROX DATA SYSTEMS

DRAWING NO.- 134107-001 B
PROG-PNFRM LINE NO.-6900440
TYPE-PINLIST

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134107 B
02/20/70

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	04D06	2.7T	020	T	T			A	
NPRXAD 6910000	32C04	4.0	005	T	T			A	
	29840	1.5	010	L	.		6910150	A	
	29820	1.4	020	L	.		6910440	A	
	31814	6.9T	025	S	FF		6910000	A	
PRXAD 6910010	31812	.0T	005	S	NFF		6910010	A	I
6910020-1	31811	.0T	005	S	+		6910020	A	I
PRXAD/7 6910150	29834	.8	010	S	I		6910150	A	
	28830	.3	020	L	.		6910420	A	
	28834	10.8	030	S	B		6910170	A	
	26D29	.5	040	L	.		1245500	A	
	27D29	1.5	050	L	.		1265500	A	
	30D29	.5	060	L	.		1285500	A	
	31D29	4.4	065	L	.		1305500	A	
	32C47	18.8T	070	T	T			A	
PRXAD/A 6910420	05C11	4.4	005	T	T			A	
	06B29	.5	010	L	.		1545500	A	
	07B29	1.0	020	L	.		1525500	A	
	09B29	.5	030	L	.		1505500	A	
	10B29	.5	040	L	.		1485500	A	
	11B29	9.6	050	L	.		1465500	A	
	28B46	16.5T	055	S	B		6910420	A	
PRXAD/B 6910440	28847	2.4	010	S	B		6910460	A	
	29B18	12.5	020	S	I		6910440	A	
	05B29	.5	030	L	.		1565500	A	
	04B29	1.0	040	L	.		1585500	A	
	02B29	.5	050	L	.		1605500	A	
	01B29	10.5	060	L	.		1625500	A	
	01D29	2.2	065	L	.		1645500	A	
	04D19	29.6T	070	T	T			A	
PRXAD/C 6910520	29B19	2.0	010	S	I		6910520	A	
	28B36	19.2	020	S	B		6910540	A	
	09D29	.5	030	L	.		1025500	A	
	08D29	.5	040	L	.		1005500	A	
	07D29	.5	050	L	.		1705500	A	
	06D29	2.0	060	L	.		1685500	A	
	02D29	.9	065	L	.		1665500	A	
	04D30	25.6T	070	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
6911720	30B35	.9	010	S	I		6911740	A	
	29B41	.8	020	S	I		6911720	A	
	28B42	10.1	030	L	.		6911760	A	
	26D27	.5	040	L	.		1245500	A	
	27D27	1.5	050	L	.		1265500	A	
	30D27	.5	060	L	.		1285500	A	
	31D27	4.0	065	L	.		1305500	A	
	32C46	18.3T	070	T	T			A	
PRXNAD/A 6911760	05C10	4.7	005	T	T			A	
	06B27	.5	010	L	.		1545500	A	
	07B27	1.0	020	L	.		1525500	A	
	09B27	.5	030	L	.		1505500	A	
	10B27	.5	040	L	.		1485500	A	
	11B27	9.6	050	L	.		1465500	A	
	28B44	16.8T	055	S	B		6911760	A	
PRXNAD/B 6911820	30B26	.5	010	S	I		6911840	A	
	29B26	11.8	020	S	I		6911820	A	
	05B27	.5	030	L	.		1565500	A	
	04B27	1.0	040	L	.		1585500	A	
	02B27	.5	050	L	.		1605500	A	
	01B27	10.5	060	L	.		1625500	A	
	01D27	1.9	065	L	.		1645500	A	
	04D18	26.7T	070	T	T			A	
PRXNAD/C 6912020	30B25	.5	010	S	I		6912040	A	
	29B25	20.6	020	S	I		6912020	A	
	09D27	.5	030	L	.		1025500	A	
	08D27	.5	040	L	.		1005500	A	
	07D27	.5	050	L	.		1705500	A	
	06D27	2.0	060	L	.		1685500	A	
	02D27	1.0	065	L	.		1665500	A	
	04D27	25.6T	070	T	T			A	
PRXNAD/D 6912060	30B27	.5	010	S	I		6912080	A	
	29B27	16.5	020	S	I		6912060	A	
	17D27	1.0	030	L	.		1125500	A	
	15D27	.5	040	L	.		1105500	A	
	14D27	.5	050	L	.		1085500	A	
	13D27	1.0	060	L	.		1065500	A	
	11D27	.3	065	L	.		1045500	A	
	12D26	20.3T	070	T	T			A	
PRXNAD/E 6912120	30B28	.5	010	S	I		6912140	A	
	29B28	12.1	020	S	I		6912120	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	25D27	.5	030	L	.		1225500	A	
	24D27	1.0	040	L	.		1205500	A	
	22D27	.5	050	L	.		1185500	A	
	21D27	1.5	060	L	.		1165500	A	
	18D27	1.0	065	L	.		1145500	A	
	20D27	17.1T	070	T	T			A	
PRXNAND 6912430	19B34	5.2	005	T	T			A	
	27B50	2.1	010	L	.		6912720	A	
	27B22	1.8	020	L	.		1312750	A	
	28B04	.3	030	L	.		6912600	A	
	28B03	1.6	040	L	.		6912840	A	
	31B05	11.0T	045	S	NFF		6912430	A	
6912440-1	31B03	.0T	005	S	+		6912440	A	I
PRXNAND/7 6912600	28B18	12.1	010	S	B		6912600	A	
	26D26	.5	020	L	.		1245502	A	
	27D26	1.5	030	L	.		1265502	A	
	30D26	.5	040	L	.		1285502	A	
	31D26	4.4	045	L	.		1305502	A	
	32C44	19.0T	050	T	T			A	
PRXNAND/A 6912720	05C08	4.4	005	T	T			A	
	06B26	.5	010	L	.		1545502	A	
	07B26	1.0	020	L	.		1525502	A	
	09B26	.5	030	L	.		1505502	A	
	10B26	.5	040	L	.		1485502	A	
	11B26	9.5	050	L	.		1465502	A	
	27B45	16.4T	055	S	B		6912720	A	
PRXNAND/B 6912740	27B44	12.3	010	S	B		6912740	A	
	05B26	.5	020	L	.		1565502	A	
	04B26	1.0	030	L	.		1585502	A	
	02B26	.5	040	L	.		1605502	A	
	01B26	10.5	050	L	.		1625502	A	
	01D26	2.6	055	L	.		1645502	A	
	04D15	27.4T	060	T	T			A	
PRXNAND/C 6912760	27B46	18.0	010	S	B		6912760	A	
	09D26	.5	020	L	.		1025502	A	
	08D26	.5	030	L	.		1005502	A	
	07D26	.5	040	L	.		1705502	A	
	06D26	2.0	050	L	.		1685502	A	
	02D26	1.0	055	L	.		1665502	A	
	04D26	22.5T	060	T	T			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
PRXNAND/D									
6912820	27B47	14.2	010	S	B		6912820	A	
	17D26	1.0	020	L	.		1125502	A	
	15D26	.5	030	L	.		1105502	A	
	14D26	.5	040	L	.		1085502	A	
	13D26	1.0	050	L	.		1065502	A	
	11D26	.7	055	L	.		1045502	A	
	12D27	17.9T	060	T	T			A	
PRXNAND/E									
6912840	28B19	12.8	010	S	B		6912840	A	
	25D26	.5	020	L	.		1225502	A	
	24D26	1.0	030	L	.		1205502	A	
	22D26	.5	040	L	.		1185502	A	
	21D26	1.5	050	L	.		1165502	A	
	18D26	4.6	055	L	.		1145502	A	
	12D04	20.9T	060	T	T			A	
RTZ									
7470000	20A15	1.5	005	T	T			A	
	17A15	1.2	010	L	.		3165200	A	
	16A25	4.1	020	L	.		4390300	A	
	09A30	1.9	030	S	FF		7470000	A	
	10A47	1.0	040	L	.		7591300	A	
	12A47	5.2	042	C	C			A	
	12B47	1.9	043	C	C			A	
	16B44	16.8T	045	L	.		1102102	A	
NRTZ									
7470100	09A29	3.5	010	S	NFF		7470100	A	
	15A18	.9	020	L	.		3150000	A	
	15A06	.3	030	L	.		4335000	A	
	15A05	5.6	040	L	.		4330000	A	
	23A28	1.9	050	L	.		6850524	A	
	25A19	2.8	060	L	.		6850624	A	
	31A18	.7	070	L	.		4400860	A	
	31A08	.8	075	L	.		4401300	A	
	32A07	16.5T	080	T	T			A	
7470200-1									
	09A41	1.4	010	S	+		7470200	A	
	10A29	1.4T	015	S	+		7470300	A	
(R/RTZ)									
7470700	11A10	3.2	010	S	I		7470700	A	
	09A40	.3	015	L	.		7470500	A	
	08A41	3.5T	020	T	T			A	
N(S/RW/FP)									
7480000	28A01	2.4	010	S	I		7480100	A	
	28A33	2.1	015	S	I		7480000	A	
	26A44	5.2	020	C	C			A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	B 15		21	28	33	37	41	77	
	26B44	3.0	025	C	C			A	
	32B44	12.7T	030	C	C			A	
NS0031XFP 7503000	13A06	2.1	010	S	I		7503000	A	
	12A31	5.2	015	C	C			A	
	12B31	.5	016	C	C			A	
	13B31	.4	020	L	.		7671000	A	
	13B37	.3	030	L	.		7671100	A	
	13B38	.8	035	L	.		7671200	A	
	14B37	9.3T	040	T	T			A	
NS4607XFP 7504000	29D24	16.5	010	S	B		7504000	A	
	13B50	16.5T	015	L	.		7671000	A	
SDIS 7520000	19B29	5.8	010	T	T			A	
	30B33	.3	016	L	.		6911080	A	
	30B29	1.9	018	L	.		6911840	A	
	29B12	.6	020	L	.		7520220	A	
	28B10	.8	040	S	B		7520000	A	
	29B09	.4	050	L	.		7520240	A	
	30B06	9.8T	055	S	I		7520100	A	
NSDIS 7520220	29B07	.3	010	L	.		7670190	A	
	29B11	.2	020	S	I		7520220	A	
	29B10	1.2	030	S	I		7520240	A	
	28B23	.1	040	L	.		4610200	A	
	28B21	.2	050	L	.		4610400	A	
	28B20	.1	060	L	.		4610080	A	
	28B22	.1	070	L	.		4610300	A	
	28B24	.6	080	L	.		4610100	A	
	27B29	.3	090	L	.		4620000	A	
	27B30	.2	100	L	.		6912760	A	
	27B31	.4	110	L	.		6912820	A	
	27B37	.1	120	L	.		4620100	A	
	27B39	.2	130	L	.		4620300	A	
	27B38	.1	140	L	.		4620200	A	
	27B40	.1	150	L	.		4620400	A	
	27B42	.2	160	L	.		6912740	A	
	27B43	1.0	170	L	.		6912720	A	
	29B43	.7	175	L	.		6910820	A	
	29B33	5.5	180	L	.		6910150	A	
	19B28	11.6T	185	T	T			A	
NSDIS-1 7520320	19B05	5.3	005	T	T			A	
	29B01	.1	010	L	.		6910620	A	
	29B03	.2	020	L	.		6910520	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		29B02	.1	030	L	.	6910560	A	
		29B04	1.4	040	L	.	6910440	A	
		29B21	.1	050	L	.	6912120	A	
		29B23	.2	055	L	.	6912020	A	
		29B22	.1	060	L	.	6912060	A	
		29B24	.4	070	L	.	6911820	A	
		29B30	.2	080	L	.	6911020	A	
		29B31	1.1	090	L	.	6911060	A	
		29B42	2.0	115	L	.	6910940	A	
		27B28	11.2T	120	S	B	7520320	A	
(SDIS.NKSXA)									
7520400	28B11	2.3	010	S	B	.	7520440	A	
	29B35	1.5	020	S	I	.	7520400	A	
	30B50	3.1	025	L	.	.	6910840	A	
	32C07	6.9T	030	T	T	.		A	
N(SDIS.NKSXA.NKSXD)									
7520500	19B31	4.5	005	T	T	.		A	
	28B31	.1	010	L	.	.	6910460	A	
	28B33	2.0	020	L	.	.	6910170	A	
	30B47	6.6T	025	S	I	.	7520500	A	
NSW0									
7590100	20A38	.3	005	T	T	.		A	
	19A39	1.1	005	L	.	.	5940100	A	
	19A26	3.5	010	L	.	.	4322200	A	
	22A03	5.2	020	C	C	.		A	
	22B03	2.6	025	C	C	.		A	
	27B01	9.4	030	L	.	.	7590800	A	
	16B50	4.0	040	L	.	.	1082102	A	
	18C20	.6	050	L	.	.	7590200	A	
	18C27	26.7T	055	S	NFF	.	7590100	A	
(SW0.K46)									
7590600	18C21	9.9	005	S	-CON	.	7590600	A	
	27B19	4.1	020	S	-CON	.	7590700	A	
	19B17	14.0T	025	T	T	.		A	
(NSW0.K46)									
7590800	27B17	10.2	010	S	B	.	7590800	A	
	18C23	6.9	015	L	.	.	1710314	A	
	32C20	17.1T	020	T	T	.		A	
SW1									
7591000	32A01	.5	005	T	T	.		A	
	31A01	1.9	010	L	.	.	3801100	A	
	31A27	4.2	020	L	.	.	7800000	A	
	25A43	9.2	030	L	.	.	3992050	A	
	09A27	2.6	040	S	FF	.	7591000	A	
	14A22	3.1	050	L	.	.	6850860	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		16A50	4.1	060	L	.	7670164	A	
		12A22	5.2	062	C	C		A	
		12B22	2.0	063	C	C		A	
		16B22	32.8T	065	L	.	1122102	A	
NSW1									
7591100	09A28	1.5	010	S	NFF		7591100	A	
	11A25	1.6	020	L	.		7591800	A	
	11A47	3.2	030	L	.		3930600	A	
	15A31	.5	040	L	.		3930400	A	
	16A31	4.8	050	L	.		7670164	A	
	25A27	2.8	055	L	.		3991550	A	
	20A28	14.4T	060	T	T			A	
7591200-1	09A50	1.3	010	S	+		7591200	A	
	10A43	1.3T	015	S	+		7591200	A	
(S/SW1/1)									
7591700	18A02	7.6	010	S	B		7591700	A	
	09A47	7.6T	015	L	.		7591200	A	
(SW1+A47)									
7591800	10A12	2.3	010	L	.		4380500	A	
	11A36	4.4	020	S	I		7591800	A	
	18A24	1.0	025	L	.		7591700	A	
	20A24	7.7T	030	T	T			A	
SW2									
7592000	32A50	2.4	005	T	T			A	
	28A43	.4	010	L	.		3991060	A	
	28A37	3.6	020	L	.		3991050	A	
	25A09	3.6	030	L	.		5941400	A	
	19A14	1.3	040	L	.		5941420	A	
	17A18	4.7	050	L	.		7660100	A	
	09A31	3.1	060	S	FF		7592000	A	
	12A09	5.2	062	C	C			A	
	12B09	2.0	063	C	C			A	
	16B09	26.3T	065	L	.		1152102	A	
NSW2									
7592100	09A26	3.1	010	S	NFF		7592100	A	
	14A18	2.1	020	L	.		6850570	A	
	17A10	5.2T	025	L	.		7660100	A	
7592200-1	09A46	1.6	010	S	+		7592200	A	
	10A35	1.6T	015	S	+		7592300	A	
(S/SW2/1)									
7592700	18A45	4.6	010	S	B		7592700	A	
	09A43	4.6T	015	L	.		7592200	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
N(S/SXA)									
7660100	16A44	2.1	010	L	.	.	7670160	A	
	17A22	2.7	020	S	I	.	7660100	A	
	19A03	2.8	030	S	B	.	7660600	A	
	21A27	2.3	040	S	I	.	7660400	A	
	23A46	5.1	050	S	I	.	7660500	A	
	27A04	.3	060	L	.	.	7660700	A	
	27A03	2.9	065	L	.	.	7660800	A	
	32A09	18.2T	070	T	T	.		A	
N(S/SXA+S/SXD)									
7660700	27A13	.5	010	S	B	.	7660700	A	
	26A13	5.2	012	C	C	.		A	
	26B13	2.5	013	C	C	.		A	
	31B13	4.8	015	L	.	.	6910020	A	
	32C02	13.0T	020	T	T	.		A	
N(S/SXA+S/SXMD)									
7660800	27A02	2.9	010	S	B	.	7660800	A	
	26A34	5.2	012	C	C	.		A	
	26B34	2.7	013	C	C	.		A	
	31B35	3.9	015	L	.	.	6910740	A	
	32C11	14.7T	020	T	T	.		A	
SAXDD									
7670010	23C40	13.1	010	S	I	.	7670010	A	
	05D29	.5	020	L	.	.	7670171	A	
	04D29	13.6T	030	T	T	.	7670010	A	
NSXADD									
7670020	08A27	.8	005	T	T	.		A	
	10A26	10.0	010	L	.	.	7470300	A	
	26A03	5.2	015	C	C	.		A	
	26B03	2.4	016	C	C	.		A	
	31B04	2.1	020	S	-CON	.	7670030	A	
	31B31	10.9	030	S	-CON	.	7670020	A	
	23C50	2.0	032	L	.	.	7670010	A	
	19C50	11.0	035	L	.	.	1152754	A	
	05D37	44.4T	040	L	.	.	7670173	A	
N(S/SXAMD)									
7670100	23B06	2.3	010	S	I	.	7670102	A	
	27B10	2.0	020	S	B	.	7670100	A	
	31B10	5.2	025	L	.	.	4610920	A	
	32C01	9.5T	030	T	T	.		A	
N(S/SXAMD/1)									
7670110	16A14	2.3	010	S	I	.	7670110	A	
	16A43	7.5	020	L	.	.	7670160	A	
	26A09	5.2	022	C	C	.		A	
	26B09	.5	023	C	C	.		A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
	27B09	4.4	025	L	.	.	7670100	A	
	19B15	19.9T	030	T	T	.		A	
(S/SXAMD/2)									
7670120	23A15	.7	010	S	I	.	7670120	A	
	22A14	5.2	012	C	C	.		A	
	22B14	.5	013	C	C	.		A	
	23B14	4.5	015	L	.	.	7670102	A	
	14B14	10.9T	020	T	T	.		A	
N(S/SXAPD)									
7670150	08B24	7.3	010	S	B	.	7670150	A	
	20B06	1.6	020	S	I	.	7670154	A	
	23B08	6.1	030	L	.	.	7670102	A	
	31B36	3.8	035	L	.	.	4610040	A	
	32C09	18.8T	040	T	T	.		A	
N(S/SXAPD/1)									
7670160	16A30	4.1	010	S	I	.	7670160	A	
	11A07	.1	020	S	I	.	7670168	A	
	11A09	2.6	030	S	I	.	7670166	A	
	10A34	1.0	040	L	.	.	7592400	A	
	12A34	5.2	042	C	C	.		A	
	12B34	2.0	043	C	C	.		A	
	08B34	5.5	045	L	.	.	7670152	A	
	05C18	20.5T	050	T	T	.		A	
(S/SXAPD/2)									
7670171	05D24	11.7	010	S	B	.	7670171	A	
	08B31	7.4	020	L	.	.	7670152	A	
	20B08	12.0	030	L	.	.	7670154	A	
	32C18	31.1T	040	T	T	.		A	
(S/SXAVA)									
7670180	18A46	3.3	010	S	B	.	7670180	A	
	17A07	2.9	020	L	.	.	7660200	A	
	23A04	6.2T	025	L	.	.	7672000	A	
(S/SXAVD)									
7670184	18A47	4.2	010	S	B	.	7670184	A	
	25A37	2.1	020	L	.	.	7673000	A	
	25A10	6.3T	025	L	.	.	7670520	A	
NSXB									
7670190	30B34	2.6	010	S	I	.	7670192	A	
	29B06	2.9	020	S	I	.	7670190	A	
	23B09	1.5	030	L	.	.	7670320	A	
	23B29	5.4	035	L	.	.	7670200	A	
	14B18	12.4T	040	T	T	.		A	

SXB-L

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
7670200	23B26	.3	010	S	I		7670200	A	
	23B25	.1	020	S	I		7670220	A	
	23B27	15.7	030	S	I		7670240	A	
	31D43	.5	040	L	.		1306504	A	
	30D43	1.5	050	L	.		1286504	A	
	27D43	.5	060	L	.		1266504	A	
	26D43	.5	070	L	.		1246504	A	
	25D43	.5	080	L	.		1226504	A	
	24D43	1.0	090	L	.		1206504	A	
	22D43	.5	100	L	.		1186504	A	
	21D43	1.5	110	L	.		1166504	A	
	18D43	.5	120	L	.		1146504	A	
	17D43	1.0	130	L	.		1126504	A	
	15D43	.5	140	L	.		1106504	A	
	14D43	.5	150	L	.		1086504	A	
	13D43	1.0	160	L	.		1066504	A	
	11D43	1.0	170	L	.		1046504	A	
	09D43	.5	180	L	.		1026504	A	
	08D43	1.9	185	L	.		1006504	A	
	12D40	29.5T	190	T	T			A	
SXB-U 7670300	23B10	1.3	010	S	I		7670320	A	
	23B28	7.3	020	S	I		7670300	A	
	10B43	.5	030	L	.		1486504	A	
	09B43	1.0	040	L	.		1506504	A	
	07B43	.5	050	L	.		1526504	A	
	06B43	.5	060	L	.		1546504	A	
	05B43	.5	070	L	.		1566504	A	
	04B43	1.0	080	L	.		1586504	A	
	02B43	.5	090	L	.		1606504	A	
	01B43	10.5	100	L	.		1626504	A	
	01D43	.5	110	L	.		1646504	A	
	02D43	2.0	120	L	.		1666504	A	
	06D43	.5	130	L	.		1686504	A	
	07D43	3.8	135	L	.		1706504	A	
	12D22	30.4T	140	T	T			A	
N(S/SXD) 7670500	21A10	2.9	010	S	I		7670500	A	
	25A01	1.4	020	S	I		7670520	A	
	27A08	2.6	030	L	.		7660700	A	
	27A41	3.2	035	L	.		7672100	A	
	32A28	10.1T	040	T	T			A	
SXFP/4 7671000	13B47	10.3	010	S	I		7671000	A	
	13D45	1.0	020	L	.		1066506	A	
	11D45	1.0	030	L	.		1046506	A	
	09D45	.5	040	L	.		1026506	A	
	08D45	2.3	045	L	.		1006506	A	

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8	15	21	28	33	37	41	77	
		12041	15.1T	050	T	T			A
SXFP/A 7671100		13836	.5	010	S	I	7671100		A
		13841	11.3	020	S	I	7671200		A
		14045	.5	030	L	.	1086506		A
		15045	1.0	040	L	.	1106506		A
		17045	.5	050	L	.	1126506		A
		18045	1.5	060	L	.	1146506		A
		21045	.5	070	L	.	1166506		A
		22045	1.0	080	L	.	1186506		A
		24045	.5	090	L	.	1206506		A
		25045	.5	100	L	.	1226506		A
		26045	.5	110	L	.	1246506		A
		27045	1.5	120	L	.	1266506		A
		30045	.5	130	L	.	1286506		A
		31045	5.1	135	L	.	1306506		A
		32050	25.4T	140	T	T			A
SXFP/U 7671300		13845	.3	010	S	I	7671300		A
		13846	.1	020	S	I	7671500		A
		13844	.8	030	S	I	7671400		A
		11845	.5	040	L	.	1466506		A
		10845	.5	050	L	.	1486506		A
		09845	1.0	060	L	.	1506506		A
		07845	.5	070	L	.	1526506		A
		06845	.5	080	L	.	1546506		A
		05845	.5	090	L	.	1566506		A
		04845	1.0	100	L	.	1586506		A
		02845	.5	110	L	.	1606506		A
		01845	10.5	120	L	.	1626506		A
		01045	.5	130	L	.	1646506		A
		02045	2.0	140	L	.	1666506		A
		06045	.5	150	L	.	1686506		A
		07045	4.1	155	L	.	1706506		A
		12023	23.8T	160	T	T			A
N(S/SXMA) 7672000		23A02	.9	010	S	I	7672020		A
		23A13	1.9	020	S	I	7672000		A
		27A10	2.2	030	L	.	7672200		A
		27A40	3.4	035	L	.	7672100		A
		32A31	8.4T	040	T	T			A
N(S/SXMA+S/SXD) 7672100		27A46	.8	010	S	B	7672100		A
		26A42	5.2	012	C	C			A
		26B42	2.5	013	C	C			A
		31B42	3.6	015	L	.	6911640		A
		32C14	12.1T	020	T	T			A

SOURCE SIGNAL	PIN NO.	LENGTH	SEQ.	TAG	ELEMENT TYPE	WIRE TYPE	LOAD LINE	C/L	ERROR FLAGS
1	8 15		21	28	33	37	41	77	
N(S/SXMA+S/SXMD)									
7672200	27A01	2.5	010	S	B		7672200	A	
	26A24	5.2	012	C	C			A	
	26B24	2.5	013	C	C			A	
	31B24	4.3	015	L	.		6912440	A	
	32C03	14.5T	020	T	T			A	
N(S/SXMD)									
7673000	25A36	3.1	010	S	I		7673000	A	
	27A11	.1	020	L	.		7672200	A	
	27A09	2.6	025	L	.		7660800	A	
	32A12	5.8T	030	T	T			A	
SZL									
7680100	08A28	1.3	005	T	T			A	
	10A27	1.0	010	L	.		7470300	A	
	12A27	5.2	015	C	C			A	
	12B27	5.3	016	C	C			A	
	14C15	2.5	020	S	I		7680100	A	
	19C15	2.0	030	S	I		7680500	A	
	23C15	2.5	040	S	I		7680900	A	
	28C15	19.8T	045	S	I		7681300	A	
SZU									
7690000	08A22	1.0	005	T	T			A	
	10A22	.4	010	L	.		7470400	A	
	10A28	1.0	020	L	.		7470300	A	
	12A28	5.2	025	C	C			A	
	12B28	5.5	026	C	C			A	
	09C15	2.5	030	S	I		7690900	A	
	04C15	1.0	040	S	I		7690500	A	
	02C15	2.1	050	S	I		7690100	A	
	02C40	18.7T	055	S	I		7690000	A	
NTRAP									
7800000	08A39	8.2	015	T	T			A	
	23A29	1.2	020	L	.		4094100	A	
	25A34	3.3	030	S	I		7800200	A	
	28A10	1.4	040	L	.		7480100	A	
	28A27	2.5	050	L	.		7480000	A	
	31A41	16.6T	055	S	I		7800000	A	

STATISTICAL SUMMARY

PINS-5009
LINE NO.S-1149
LINKS-3860

ERROR FLAG DICTIONARY

TABLE OF CONTENTS

I = NO INTERCONNECTION

P = ILLEGAL PIN FIELD

212	LINE NO.S HAVE	1	PINS
220	LINE NO.S HAVE	2	PINS
221	LINE NO.S HAVE	3	PINS
100	LINE NO.S HAVE	4	PINS
52	LINE NO.S HAVE	5	PINS
102	LINE NO.S HAVE	6	PINS
103	LINE NO.S HAVE	7	PINS
59	LINE NO.S HAVE	8	PINS
15	LINE NO.S HAVE	9	PINS
8	LINE NO.S HAVE	10	PINS
10	LINE NO.S HAVE	11	PINS
1	LINE NO.S HAVE	12	PINS
7	LINE NO.S HAVE	13	PINS
8	LINE NO.S HAVE	14	PINS
4	LINE NO.S HAVE	15	PINS
6	LINE NO.S HAVE	16	PINS
3	LINE NO.S HAVE	17	PINS
7	LINE NO.S HAVE	20	PINS
1	LINE NO.S HAVE	22	PINS
1	LINE NO.S HAVE	28	PINS

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
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	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
	49(0)	02A49	0001000	-VSP 4VA		0001000
	50(0)					
	51(0)	02A51	0005000	-VSP 8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
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	48(0)					
01A49	49(0)	03A49	0001000	4VA		0001000
	50(0)					
01A51	51(0)	03A51	0005000	8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
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02A49	49(0)	04A49	0001000	4VA		0001000
02A51	50(0)					
	51(0)	04A51	0005000	8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
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	47(0)					
	48(0)					
03A49	49(0)	05A49	0001000	4VA		0001000
	50(0)					
03A51	51(0)	05A51	0005000	8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
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	48(0)					
04A49	49(0)	06A49	0001000	4VA		0001000
	50(0)					
04A51	51(0)	06A51	0005000	8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	08A10	5551000	-NS	KFPXSMISC	5551000
	02(1)	06A11	4600100	-CON	GND1106	4600102
	03(1)	06A45	5550000	-NS	KFPXSL	5550050
	04(0)					
	05(0)					
	06(0)					
	07(1)	08A19	5600000	-NS	NKSXA	5600000
	08(0)					
	09(0)					
	10(0)					
06A02	11(2)	06A16	4600100	-CON	GND1106	4600104
	12(0)					
	13(0)					
	14(0)					
	15(0)					
06A11	16(2)	06A21	4600100	-NS	GND1106	4600100
	17(0)					
	18(0)					
	19(0)					
	20(1)	08A20	5600200	-NS	NKSXB	5600200
06A16	21(2)	06A34	4600100	-CON	GND1106	4600106
	22(1)	08A43	5600100	-NS	KSXB	5600100
	23(0)					
	24(0)					
	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(1)	08A42	5600300	-NS	NKSXD	5600300
	30(0)					
	31(0)					
	32(0)					
	33(0)					
06A21	34(2)	06A46	4600100	-CON	GND1106	4600110
	35(0)					
	36(0)					
	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
06A03	45(2)	08A46	5550000	-NS	KFPXSL	5550000
06A34	46(1)		4600100	-CON	GND1106	4600112
	47(1)	08A47	5552000	-NS	KFPXSU	5552000
	48(0)					
05A49	49(0)	07A49	0001000		4VA	0001000
	50(0)					
05A51	51(0)	07A51	0005000		8VA	0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
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	48(0)					
06A49	49(0)	08A49	0001000	4VA		0001000
06A51	50(0)					
06A51	51(0)	08A51	0005000	8VA		0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08A03	01(2)	09A01	3850100	T	CL-09A01	3850100
	02(1)	08A03	3850100	T	CL-09A01	3850100
08A02	03(2)	08A01	3850100	T	CL-09A01	3850100
	04(1)	10A01	1470100	T	A47	
	05(1)	11A01	6850200	T	PH2	
	06(1)	10A04	6507000	T	O7	
	07(1)	09A08	6850820	T	N(S/PH8)	
	08(0)					
	09(1)	10A10	6850780	T	(PH7.N06)	
06A01	10(2)	28A39	5551000	T	KFPXSMISC	
	11(1)	11A11	4450000	T	FS	
	12(1)	09A13	6850720	T	N(S/PH7)	
	13(1)	11A12	4498000	T	NFZ	
	14(1)	11A14	1650300	T	B65	
	15(1)	11A13	6506100	T	N06	
	16(0)					
	17(1)	13A42	4375000	T	FPDIS	
	18(1)	10A17	6507100	T	N07	
06A07	19(2)	26A12	5600000	T	NKSXA	
06A20	20(2)	26A04	5600200	T	NKSXB	
	21(1)	10A21	6506000	T	O6	
	22(1)	10A22	7690000	T	SZU	
	23(1)	10A23	6850870	T	(PH8.02.N06)	
	24(1)	09A25	6850520	T	N(S/PH5)	
	25(1)	09A24	6850620	T	N(S/PH6)	
	26(1)	10A24	6850575	T	(PH5+PH6+PH8)	
	27(1)	10A26	7670020	T	NSXADD	
	28(1)	10A27	7680100	T	SZL	
	29(1)	11A20	1471340	T	ND47-1	
	30(1)	11A21	3905000	T	D4851Z	
	31(1)	11A23	3005000	T	A4851Z	
	32(0)					
	33(1)	11A34	1510100	T	A51	
	34(1)	11A24	4350000	T	N(FNF.N06)	
	35(1)	11A30	1480100	T	A48	
	36(1)	11A31	1490100	T	A49	
	37(1)	11A33	1500100	T	A50	
	38(1)	10A38	6850400	T	PH4	
	39(1)	23A29	7800000	T	NTRAP	
	40(1)	10A40	5942000	T	N(MIT.(M2-SW2))	
09A40	41(1)		7470700	T	(R/RTZ)	
06A29	42(2)	26A05	5600300	T	NKSXD	
06A22	43(2)	26A28	5600100	T	KSXB	
	44(1)	11A41	1481300	T	D48	
10A45	45(1)		1462760	T	K46-1	
06A45	46(2)	31A15	5550000	T	KFPXSL	
06A47	47(2)	30A44	5552000	T	KFPXSU	
	48(0)					
07A49	49(0)	09A49	0001000		4VA	0001000
	50(1)	11A42	1491300	T	D49	
07A51	51(0)	09A51	0005000		8VA	0005000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08A01	01(1)		3850100	-NS	CL-09A01	3850100
	02(1)	16A24	6850500	FF	NPH5	6850500
	03(0)		6850604-1	+		6850604
	04(1)	25A05	6850600	FF	NPH6	6850600
	05(1)	14A21	6850602	NFF	PH6	6850602
	06(1)	25A07	6850800	FF	NPH8	6850800
	07(1)	11A45	6850802	NFF	PH8	6850802
08A07	08(2)	25A46	6850820	.	N(S/PH8)	6850804
	09(0)					
	10(0)					
	11(0)		6850704-1	+		6850704
	12(1)	17A11	6850702	NFF	PH7	6850702
08A12	13(2)	13A24	6850720	.	N(S/PH7)	6850704
	14(1)	10A37	6850700	FF	NPH7	6850700
	15(0)					
09A17	16(2)	09A35	4601109	-NS	GND1117	4601109
09A19	17(2)	09A16	4601109	.	GND1117	6850504
	18(0)		6850504-1	+		6850504
09A20	19(2)	09A17	4601109	.	GND1117	6850804
	20(1)	09A19	4601109	.	GND1117	6850704
14A31	21(2)	10A50	6850502	NFF	PH5	6850502
	22(0)					
	23(0)					
08A25	24(2)	17A27	6850620	.	N(S/PH6)	6850604
08A24	25(2)	23A34	6850520	.	N(S/PH5)	6850504
	26(1)	14A18	7592100	NFF	NSW2	7592100
25A43	27(2)	14A22	7591000	FF	SW1	7591000
	28(1)	11A25	7591100	NFF	NSW1	7591100
	29(1)	15A18	7470100	NFF	NRTZ	7470100
16A25	30(2)	10A47	7470000	FF	RTZ	7470000
17A18	31(2)	12A09	7592000	FF	SW2	7592000
	32(0)					
10A30	33(2)	12A38	4380000	FF	FPR	4380000
10A08	34(2)	23A41	4380100	NFF	NFPR	4380100
09A16	35(2)	09A37	4601109	.	GND1117	4380200
	36(0)					
09A35	37(2)	09A42	4601109	.	GND1117	4380200
18A44	38(1)		4380800	.	(R/FPR)	4380600
	39(1)	10A15	4380200-1	+		4380200
11A10	40(2)	08A41	7470700	.	(R/RTZ)	7470500
	41(1)	10A29	7470200-1	+		7470200
09A37	42(1)		4601109	.	GND1117	7470200
18A45	43(1)		7592700	.	(S/SW2/1)	7592200
	44(0)					
	45(1)	23A11	6850902	.	NPH9	7591500
	46(1)	10A35	7592200-1	+		7592200
18A02	47(1)		7591700	.	(S/SW1/1)	7591200
	48(0)					
08A49	49(0)	10A49	0001000		4VA	0001010
	50(1)	10A43	7591200-1	+		7591200
08A51	51(0)	10A51	0005000		8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08A04	01(2)	11A29	1470100	.	A47	4380400
10A21	02(2)	14A05	6506000	.	06	4380300
10A05	03(2)	11A02	5980000	.	MWN	4380300
08A06	04(2)	14A43	6507000	.	07	4380300
	05(1)	10A03	5980000	.	MWN	4380300
	06(1)	10A39	3140000	.	ALM	4380300
10A15	07(1)		4380200-1	+		4380300
	08(1)	09A34	4380100	.	NFPR	4380500
13A13	09(2)	12A26	1461300	.	D46	4380500
08A09	10(2)	16A21	6850780	.	(PH7.N06)	4380500
	11(1)	15A10	3150000	.	ALR	4380500
	12(1)	11A36	7591800	.	(SW1+A47)	4380500
	13(0)					
11A04	14(2)	10A18	5980100	.	NMWN	4380400
09A39	15(2)	10A07	4380200-1	+		4380200
	16(0)					
08A18	17(2)	14A37	6507100	.	N07	4380400
10A14	18(2)	12A03	5980100	.	NMWN	4380400
11A03	19(2)	30A38	6850200	.	PH2	4380400
11A22	20(2)	12A04	1470104	.	NA47	4380300
08A21	21(2)	10A02	6506000	.	06	4380400
08A22	22(2)	10A28	7690000	.	SZU	7470400
08A23	23(2)	13A45	6850870	.	(PH8.02.N06)	7470400
08A26	24(2)	16A28	6850575	.	(PH5+PH6+PH8)	7470300
17A14	25(2)	11A15	3165100	.	NASPP	7470300
08A27	26(2)	26A03	7670020	.	NSXADD	7470300
08A28	27(2)	12A27	7680100	.	SZL	7470300
10A22	28(2)	12A28	7690000	.	SZU	7470300
09A41	29(1)		7470200-1	+		7470300
23A20	30(2)	09A33	4380000	.	FPR	7592300
11A05	31(2)	12A41	5978000	.	MUL	7592300
	32(0)					
	33(1)	17A20	5941000	.	(MIT.M1)	7592400
11A09	34(2)	12A34	7670160	.	N(S/SXAPD/1)	7592400
09A46	35(1)		7592200-1	+		7592300
	36(1)	13A26	6850710	.	(S/PH7)	7592300
09A14	37(1)		6850700	.	NPH7	7592300
08A38	38(2)	13A14	6850400	.	PH4	7592300
10A06	39(2)	15A35	3140000	.	ALM	7592300
08A40	40(2)	21A17	5942000	.	N(MIT.(M2-SW2))	7591400
16A41	41(2)	14A10	5940000	.	MIT	7591400
	42(0)					
09A50	43(1)		7591200-1	+		7591200
15A36	44(2)	12A44	3970000	.	DPP	7591300
22A05	45(2)	08A45	1462760	.	K46-1	7591300
	46(1)	11A46	3931000	.	DIV	7591300
09A30	47(2)	12A47	7470000	.	RTZ	7591300
	48(0)					
09A49	49(0)	11A49	0001000	.	4VA	0001010
09A21	50(2)	12A50	6850502	.	PH5	7591300
09A51	51(0)	11A51	0005000	.	8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08A05	01(2)	11A03	6850200	.	PH2	7670168
10A03	02(2)	18A22	5980000	.	MWN	7670168
11A01	03(2)	10A19	6850200	.	PH2	7670168
16A01	04(2)	10A14	5980100	.	NMWN	7670166
13A09	05(2)	10A31	5978000	.	MUL	7670166
21A13	06(2)	13A10	5978100	.	NMUL	7670168
16A30	07(2)	11A09	7670160	I	N(S/SXAPD/1)	7670168
	08(1)	15A07	4335000	I	FEUF	4335100
11A07	09(2)	10A34	7670160	I	N(S/SXAPD/1)	7670166
	10(1)	09A40	7470700	I	(R/RTZ)	7470700
08A11	11(2)	25A22	4450000	.	FS	4335100
08A13	12(2)	23A37	4498000	.	NFZ	4335100
08A15	13(2)	16A13	6506100	.	N06	4335100
08A14	14(2)	28A05	1650300	.	B65	4335100
10A25	15(2)	13A22	3165100	.	NASPP	7470700
	16(0)					
11A38	17(2)	14A19	3980050	I	DSN	3980100
21A08	18(2)	12A18	6850102	.	NPH1	7470700
	19(0)					
08A29	20(2)	13A11	1471340	.	ND47-1	3980100
08A30	21(2)	13A18	3905000	.	D4851Z	3980100
11A26	22(2)	10A20	1470104	.	NA47	3160100
08A31	23(2)	12A35	3005000	.	A4851Z	3160100
08A34	24(2)	17A37	4350000	.	N(FNF.N06)	3160100
09A28	25(2)	11A47	7591100	.	NSW1	7591800
15A27	26(2)	11A22	1470104	.	NA47	7591800
	27(0)					
	28(0)					
10A01	29(2)	16A12	1470100	.	A47	3160000
08A35	30(2)	12A12	1480100	.	A48	3160000
08A36	31(2)	12A14	1490100	.	A49	3160000
	32(0)					
08A37	33(2)	12A15	1500100	.	A50	3160000
08A33	34(2)	12A17	1510100	.	A51	3160000
	35(1)	11A37	3160000	I	ASN	3160100
10A12	36(2)	18A24	7591800	I	(SW1+A47)	7591800
11A35	37(2)	13A37	3160000	I	ASN	3160000
13A38	38(2)	11A17	3980050	I	DSN	3980050
	39(1)	19A27	3930600	I	NDIT/1	3930600
13A12	40(2)	12A23	1471300	.	D47	3980050
08A44	41(2)	13A04	1481300	.	D48	3980050
08A50	42(2)	13A03	1491300	.	D49	3980050
13A02	43(2)	12A30	1501300	.	D50	3980050
13A01	44(2)	12A25	1511300	.	D51	3980050
09A07	45(2)	14A40	6850802	.	PH8	3930600
10A46	46(2)	13A40	3931000	.	DIV	3930600
11A25	47(2)	15A31	7591100	.	NSW1	3930600
	48(0)					
10A49	49(0)	12A49	0001000	.	4VA	0001010
	50(1)	13A39	4390100	.	NFPRR	3930600
10A51	51(0)	12A51	0005000	.	8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
15A03	02(1)	12B02	4000100	C	NE0	
10A18	03(1)	12B03	5980100	C	NMWN	
10A20	04(1)	12B04	1470104	C	NA47	1470104
13A10	05(1)	12B05	5978100	C	NMUL	
15A14	06(1)	12B06	4003100	C	NE3	
15A13	07(1)	12B07	4002100	C	NE2	
15A12	08(1)	12B08	4001100	C	NE1	
09A31	09(1)	12B09	7592000	C	SW2	
15A04	10(1)	12B10	4001000	C	E1	
17A01	11(1)	12B11	4000950	C	E0407Z	
11A30	12(1)	12B12	1480100	C	A48	
23A08	13(1)	12B13	1470100	C	A47	1470100
11A31	14(1)	12B14	1490100	C	A49	
11A33	15(1)	12B15	1500100	C	A50	
	16(0)					
11A34	17(1)	12B17	1510100	C	A51	
11A18	18(1)	12B18	6850102	C	NPH1	
16A36	19(1)	12B19	3006400	C	NA5255Z	
15A15	20(1)	12B20	4000000	C	E0	
13A21	21(1)	12B21	6850100	C	PH1	
16A50	22(1)	12B22	7591000	C	SW1	
11A40	23(1)	12B23	1471300	C	D47	1471300
13A03	24(1)	12B24	1491300	C	D49	
11A44	25(1)	12B25	1511300	C	D51	
10A09	26(1)	12B26	1461300	C	D46	1461300
10A27	27(1)	12B27	7680100	C	SZL	
10A28	28(1)	12B28	7690000	C	SZU	
13A04	29(1)	12B29	1481300	C	D48	
11A43	30(1)	12B30	1501300	C	D50	
13A06	31(1)	12B31	7503000	C	NS0031XFP	
	32(0)					
16A45	33(1)	12B33	5980000	C	MWN	
10A34	34(1)	12B34	7670160	C	N(S/SXAPD/1)	
11A23	35(1)	12B35	3005000	C	A4851Z	
13A25	36(1)	12B36	3930500	C	NDIT	
15A37	37(1)	12B37	3930400	C	DIT	
09A33	38(1)	12B38	4380000	C	FPR	
15A39	39(1)	12B39	6850760	C	(PH7.DIV.A47)	
15A17	40(1)	12B40	4491000	C	FXD	
10A31	41(1)	12B41	5978000	C	MUL	
13A28	42(1)	12B42	3301700	C	NAXS	
15A33	43(1)	12B43	4300100	C	NF0	
10A44	44(1)	12B44	3970000	C	DPP	
16A37	45(1)	12B45	4307100	C	NF7	
16A34	46(1)	12B46	4300000	C	F0	
10A47	47(1)	12B47	7470000	C	RTZ	
	48(0)					
11A49	49(0)	13A49	0001000		4VA	0001010
10A50	50(1)	12B50	6850502	C	PH5	
11A51	51(0)	13A51	0005000		8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
20A01	01(2)	11A44	1511300	.	D51	3905030
20A03	02(2)	11A43	1501300	.	D50	3905020
11A42	03(2)	12A24	1491300	.	D49	3905010
11A41	04(2)	12A29	1481300	.	D48	3905000
13A17	05(1)		3905000	I	D4851Z	3905020
	06(1)	12A31	7503000	I	NS0031XFP	7503000
13A44	07(2)	28A17	4375200	.	NFPDIS	7503000
13A43	08(2)	19A20	6502100	.	N02	7503000
14A35	09(2)	11A05	5978000	.	MUL	5978100
11A06	10(2)	12A05	5978100	I	NMUL	5978100
11A20	11(2)	16A10	1471340	I	ND47-1	1471340
16A19	12(2)	11A40	1471300	.	D47	1471340
16A09	13(2)	10A09	1461300	.	D46	1461340
10A38	14(2)	14A06	6850400	.	PH4	7503000
	15(1)	16A20	1461340	I	ND46-1	1461340
	16(0)					
13A19	17(2)	13A05	3905000	I	D4851Z	3905030
11A21	18(2)	13A19	3905000	I	D4851Z	3905000
13A18	19(2)	13A17	3905000	I	D4851Z	3905010
	20(0)					
18A34	21(2)	12A21	6850100	.	PH1	3301730
11A15	22(2)	15A24	3165100	.	NASPP	3165000
	23(1)	15A37	3930400	.	DIT	3930500
09A13	24(2)	18A25	6850720	.	N(S/PH7)	6850710
23A18	25(2)	12A36	3930500	I	NDIT	3930500
10A36	26(2)	16A42	6850710	I	(S/PH7)	6850710
	27(1)	16A29	3165000	I	ASPP	3165000
17A30	28(2)	12A42	3301700	I	NAXS	3301730
	29(0)					
	30(0)					
	31(0)					
	32(0)					
	33(0)					
	34(1)	14A46	6850865	I	(PH8.NDIV)	6850866
19A08	35(2)	17A47	4390050	I	FPRR	4390050
	36(1)	17A36	3160200	I	NASN	3160200
11A37	37(2)	14A30	3160000	.	ASN	3160200
	38(1)	11A38	3980050	.	DSN	3980200
11A50	39(2)	16A23	4390100	.	NFPRR	4390050
11A46	40(2)	14A36	3931000	.	DIV	6850866
14A07	41(2)	17A34	3980200	I	NDSN	3980200
08A17	42(2)	28A42	4375000	.	FDPIS	4375200
	43(1)	13A08	6502100	.	N02	6850872
	44(1)	13A07	4375200	I	NFPDIS	4375200
10A23	45(2)	30A36	6850870	I	(PH8.02.N06)	6850872
	46(0)					
	47(0)					
	48(0)					
12A49	49(0)	14A49	0001000		4VA	0001010
	50(0)					
12A51	51(0)	14A51	0005000		8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
17A20	01(1)		5941000	B	(MIT.M1)	5941000
	02(0)					
	03(0)					
	04(0)					
10A02	05(2)	14A17	6506000	.	06	6850482
13A14	06(2)	14A26	6850400	.	PH4	6850482
	07(1)	13A41	3980200	.	NDSN	6850482
	08(0)					
	09(0)					
10A41	10(2)	17A08	5940000	.	MIT	5941000
16A17	11(2)	21A03	5810000	.	M1	5941000
21A09	12(2)	18A40	6850482	B	(PH4.06.NDSN)	6850482
	13(0)					
	14(1)	17A46	6850670	B	(PH6.06.ASN.DSN)	6850670
	15(1)	18A28	6850570	B	(PH5.06.ASN.NSW2)	6850570
	16(0)					
14A05	17(2)	14A20	6506000	.	06	6850570
09A26	18(2)	17A10	7592100	.	NSW2	6850570
11A17	19(2)	14A27	3980050	.	DSN	6850670
14A17	20(2)	14A44	6506000	.	06	6850670
09A05	21(2)	17A24	6850602	.	PH6	6850670
09A27	22(2)	16A50	7591000	.	SW1	6850860
15A26	23(2)	16A03	3931000	.	DIV	6850860
14A40	24(2)	15A29	6850802	.	PH8	6850860
14A38	25(2)	16A26	6506000	.	06	6850480
14A06	26(2)	15A21	6850400	.	PH4	6850480
14A19	27(2)	20A27	3980050	.	DSN	6850480
	28(0)					
14A30	29(2)	25A31	3160000	.	ASN	6850670
13A37	30(2)	14A29	3160000	.	ASN	6850570
16A27	31(2)	09A21	6850502	.	PH5	6850570
	32(0)					
	33(1)	18A26	6850480	B	(PH4.06.DSN)	6850480
	34(1)	16A07	6850860	B	(PH8.DIV.SW1)	6850860
17A43	35(2)	13A09	5978000	B	MUL	5978000
13A40	36(2)	15A30	3931000	B	DIV	3931000
10A17	37(2)	16A47	6507100	.	N07	3931000
14A44	38(2)	14A25	6506000	.	06	5978000
	39(0)					
11A45	40(2)	14A24	6850802	.	PH8	6850865
	41(0)					
	42(0)					
10A04	43(2)	16A46	6507000	.	07	5978000
14A20	44(2)	14A38	6506000	.	06	3931000
	45(0)					
13A34	46(2)	17A35	6850865	B	(PH8.NDIV)	6850865
	47(0)					
	48(0)					
13A49	49(0)	15A49	0001000	.	4VA	0001010
	50(0)					
13A51	51(0)	15A51	0005000	.	8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
20A05	01(2)	15A15	4000000	.	E0	4335000
20A06	02(2)	15A12	4001100	.	NE1	4335000
15A11	03(2)	12A02	4000100	.	NE0	4330000
20A04	04(2)	12A10	4001000	.	E1	4330000
15A06	05(2)	23A28	7470100	.	NRTZ	4330000
15A18	06(2)	15A05	7470100	.	NRTZ	4335000
11A08	07(2)	28A08	4335000	B	FEUF	4335000
	08(1)	17A03	4000900	B	E0003Z	4000900
	09(1)	23A38	4330000	B	FE0F	4330000
10A11	10(2)	15A20	3150000	B	ALR	3150000
15A23	11(2)	15A03	4000100	.	NE0	4000900
15A02	12(2)	12A08	4001100	.	NE1	4000900
23A42	13(2)	12A07	4002100	.	NE2	4000900
20A13	14(2)	12A06	4003100	.	NE3	4000900
15A01	15(2)	12A20	4000000	.	E0	3150000
	16(0)					
	17(1)	12A40	4491000	B	FXD	4491000
09A29	18(2)	15A06	7470100	.	NRTZ	3150000
15A22	19(2)	17A17	6850486	.	(PH4.N06+PH5.N06)	3150000
15A10	20(2)	18A23	3150000	.	ALR	4491000
14A26	21(2)	19A23	6850400	.	PH4	4491000
	22(1)	15A19	6850486	.	(PH4.N06+PH5.N06)	3140000
20A23	23(2)	15A11	4000100	.	NE0	3140000
13A22	24(2)	17A13	3165100	.	NASPP	3140000
17A11	25(2)	15A45	6850702	.	PH7	3970000
15A30	26(2)	14A23	3931000	.	DIV	3970000
17A06	27(2)	11A26	1470104	.	NA47	3970000
	28(0)					
14A24	29(2)	16A38	6850802	.	PH8	3930400
14A36	30(2)	15A26	3931000	.	DIV	3930400
11A47	31(2)	16A31	7591100	.	NSW1	3930400
	32(0)					
19A37	33(2)	12A43	4300100	.	NF0	3930400
	34(0)					
10A39	35(2)	18A30	3140000	B	ALM	3140000
	36(1)	10A44	3970000	B	DPP	3970000
13A23	37(2)	12A37	3930400	B	DIT	3930400
	38(0)					
21A24	39(2)	12A39	6850760	B	(PH7.DIV.A47)	6850760
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
15A25	45(2)	17A41	6850702	.	PH7	6850760
16A33	46(2)	17A50	3931000	.	DIV	6850760
16A12	47(2)	23A08	1470100	.	A47	6850760
	48(0)					
14A49	49(0)	16A49	0001000	.	4VA	0001010
	50(0)					
14A51	51(0)	16A51	0005000	.	8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	11A04	5980100	.	NMWN	7670110
16A42	02(2)	20A02	6850710	.	(S/PH7)	7670110
14A23	03(2)	16A33	3931000	.	DIV	7670110
	04(0)					
17A05	05(2)	16A27	6850502	.	PH5	3306700
	06(0)					
14A34	07(2)	21A22	6850860	.	(PH8.DIV.SW1)	3306710
	08(0)					
18A43	09(2)	13A13	1461300	.	D46	3306720
13A11	10(1)		1471340	.	ND47-1	3306720
16A35	11(2)	25A04	6850865	.	(PH8.NDIV)	3306720
11A29	12(2)	15A47	1470100	.	A47	3306720
11A13	13(2)	17A04	6506100	.	N06	3306700
	14(1)	16A43	7670110	I	N(S/SXAMD/1)	7670110
20A14	15(2)	19A04	5941400	.	(MIT.(M2-SW2))	7670110
	16(0)					
20A17	17(2)	14A11	5810000	.	M1	7670110
	18(0)					
20A25	19(2)	13A12	1471300	.	D47	3306710
13A15	20(2)	25A11	1461340	.	ND46-1	3306710
10A10	21(2)	17A38	6850780	.	(PH7.N06)	3306720
	22(1)	17A33	3306700	I	NAXSR4/1	3306700
13A39	23(2)	23A10	4390100	I	NFPRR	4390200
09A02	24(2)	25A06	6850500	.	NPH5	4390300
17A15	25(2)	09A30	7470000	.	RTZ	4390300
14A25	26(2)	17A25	6506000	.	06	4390300
16A05	27(2)	14A31	6850502	.	PH5	4390300
10A24	28(2)	25A12	6850575	.	(PH5+PH6+PH8)	4390300
13A27	29(2)	27A44	3165000	.	ASPP	7670164
	30(1)	11A07	7670160	I	N(S/SXAPD/1)	7670160
15A31	31(2)	25A27	7591100	.	NSW1	7670164
	32(0)					
16A03	33(2)	15A46	3931000	.	DIV	7670162
27A37	34(2)	12A46	4300000	.	F0	4390200
17A35	35(2)	16A11	6850865	.	(PH8.NDIV)	4390200
20A35	36(2)	12A19	3006400	.	NA5255Z	4390200
20A37	37(2)	12A45	4307100	.	NF7	4390200
15A29	38(2)	25A39	6850802	.	PH8	4390200
	39(0)					
	40(0)					
19A45	41(2)	10A41	5940000	.	MIT	7670160
13A26	42(2)	16A02	6850710	.	(S/PH7)	7670162
16A14	43(2)	26A09	7670110	.	N(S/SXAMD/1)	7670160
	44(1)	17A22	7660100	.	N(S/SXA)	7670160
18A22	45(2)	12A33	5980000	.	MWN	7670162
14A43	46(2)	22A35	6507000	.	07	7670164
14A37	47(2)	22A39	6507100	.	N07	7670164
	48(0)					
15A49	49(0)	17A49	0001000	.	4VA	0001010
14A22	50(2)	12A22	7591000	.	SW1	7670164
15A51	51(0)	17A51	0005000	.	8VA	0005010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
30A43	01(2)	12A11	4000950	.	E0407Z	3165100
17A17	02(2)	19A02	6850486	.	(PH4.N06+PH5.N06)	3165100
15A08	03(1)		4000900	.	E0003Z	3165100
16A13	04(2)	19A22	6506100	.	N06	3165100
17A26	05(2)	16A05	6850502	.	PH5	7660200
20A08	06(2)	15A27	1470104	.	NA47	7660200
18A46	07(2)	23A04	7670180	.	(S/SXAVA)	7660200
14A10	08(2)	19A06	5940000	.	MIT	7660100
20A09	09(2)	21A05	5810150	.	(NM1.NM2)	7660100
14A18	10(1)		7592100	.	NSW2	7660100
09A12	11(2)	15A25	6850702	.	PH7	7660300
17A28	12(2)	23A07	6850720	.	N(S/PH7)	7660300
15A24	13(2)	21A07	3165100	.	NASPP	7660200
	14(1)	10A25	3165100	I	NASPP	3165100
20A15	15(2)	16A25	7470000	.	RTZ	3165200
	16(0)					
15A19	17(2)	17A02	6850486	.	(PH4.N06+PH5.N06)	3165200
19A14	18(2)	09A31	7592000	.	SW2	7660100
19A05	19(2)	22A10	5810200	.	M2	7660100
10A33	20(2)	14A01	5941000	.	(MIT.M1)	7660100
	21(0)					
16A44	22(2)	19A03	7660100	I	N(S/SXA)	7660100
17A42	23(2)	18A05	3303800	I	NAXSL4/1	3303800
14A21	24(2)	23A06	6850602	.	PH6	3303810
16A26	25(2)	18A14	6506000	.	O6	3303800
19A28	26(2)	17A05	6850502	.	PH5	3303800
09A24	27(2)	23A27	6850620	.	N(S/PH6)	3303800
17A44	28(2)	17A12	6850720	.	N(S/PH7)	3303810
	29(0)					
27A26	30(2)	13A28	3301700	I	NAXS	3301700
	31(0)					
	32(0)					
16A22	33(2)	19A42	3306700	.	NAXSR4/1	3301710
13A41	34(2)	20A34	3980200	.	NDSN	3303820
14A46	35(2)	16A35	6850865	.	(PH8.NDIV)	3303830
13A36	36(2)	27A31	3160200	.	NASN	3303830
11A24	37(2)	28A14	4350000	.	N(FNF.N06)	3303820
16A21	38(2)	17A45	6850780	.	(PH7.N06)	3303820
	39(0)					
	40(0)					
15A45	41(2)	19A38	6850702	.	PH7	3301720
	42(1)	17A23	3303800	.	NAXSL4/1	3301710
19A18	43(2)	14A35	5978000	.	MUL	3301720
18A25	44(2)	17A28	6850720	.	N(S/PH7)	3301720
17A38	45(2)	18A42	6850780	.	(PH7.N06)	3301710
14A14	46(2)	31A47	6850670	.	(PH6.O6.ASN.DSN)	3301700
13A35	47(2)	22A08	4390050	.	FPRR	3301720
	48(0)					
16A49	49(0)	18A49	0001000	.	4VA	0001020
15A46	50(2)	19A36	3931000	.	DIV	3301720
16A51	51(0)	18A51	0005000	.	8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(1)	09A47	7591700	B	(S/SW1/1)	7591700
	03(0)					
	04(1)	22A12	3501500	B	NBXBL1	3501500
17A23	05(2)	19A11	3303800	.	NAXSL4/1	3501500
18A13	06(2)	27A06	3930600	.	NDIT/1	3501500
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
	12(0)					
19A25	13(2)	18A06	3930600	.	NDIT/1	3501500
17A25	14(2)	23A23	6506000	.	06	3501500
	15(0)					
	16(0)					
18A30	17(2)	21A37	3140000	.	ALM	7591700
	18(0)					
	19(0)					
	20(0)					
	21(0)					
11A02	22(2)	16A45	5980000	.	MWN	7591700
15A20	23(2)	18A31	3150000	.	ALR	7591700
11A36	24(2)	20A24	7591800	.	(SW1+A47)	7591700
13A24	25(2)	17A44	6850720	.	N(S/PH7)	7670180
14A33	26(2)	25A30	6850480	.	(PH4.06.DSN)	7670180
19A23	27(2)	18A29	6850400	.	PH4	7670180
14A15	28(2)	18A37	6850570	.	(PH5.06.ASN.NSW2)	7670184
18A27	29(2)	22A50	6850400	.	PH4	7670184
15A35	30(2)	18A17	3140000	.	ALM	7670184
18A23	31(2)	21A40	3150000	.	ALR	7670180
	32(0)					
	33(0)					
28A40	34(2)	13A21	6850100	.	PH1	4380800
	35(0)					
	36(0)					
18A28	37(2)	31A43	6850570	.	(PH5.06.ASN.NSW2)	7592700
	38(0)					
	39(0)					
14A12	40(2)	31A46	6850482	.	(PH4.06.NDSN)	7592700
	41(0)					
17A45	42(2)	30A34	6850780	.	(PH7.N06)	4380800
25A44	43(2)	16A09	1461300	.	D46	4380800
	44(1)	09A38	4380800	B	(R/FPR)	4380800
	45(1)	09A43	7592700	B	(S/SW2/1)	7592700
	46(1)	17A07	7670180	B	(S/SXAVA)	7670180
	47(1)	25A37	7670184	B	(S/SXAVD)	7670184
	48(0)					
17A49	49(0)	19A49	0001000		4VA	0001020
	50(0)					
17A51	51(0)	19A51	0005000		8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	21A04	4390000	B	FPRD	4390000
17A02	02(2)	31A34	6850486	B	(PH4.N06+PH5.N06)	6850486
17A22	03(2)	21A27	7660100	B	N(S/SXA)	7660600
16A15	04(2)	21A01	5941400	B	(MIT.(M2-SW2))	5941410
21A02	05(2)	17A19	5810200	.	M2	5941410
17A08	06(2)	19A13	5940000	.	MIT	5941410
	07(0)					
	08(1)	13A35	4390050	.	FPRR	7660600
	09(0)					
	10(0)					
18A05	11(2)	19A30	3303800	.	NAXSL4/1	7660600
	12(0)					
19A06	13(2)	21A12	5940000	.	MIT	5941420
25A09	14(2)	17A18	7592000	.	SW2	5941420
	15(0)					
	16(1)	19A19	4601120	-NS	GND1120	4601120
23A24	17(2)	19A34	6850502	.	PH5	6850486
23A05	18(2)	17A43	5978000	.	MUL	4390000
19A16	19(1)		4601120	.	GND1120	4390000
13A08	20(2)	20A43	6502100	.	NO2	4390000
	21(0)					
17A04	22(2)	19A24	6506100	.	NO6	6850486
15A21	23(2)	18A27	6850400	.	PH4	6850486
19A22	24(2)	25A23	6506100	.	NO6	6850486
19A27	25(2)	18A13	3930600	.	NDIT/1	4322200
19A39	26(2)	22A03	7590100	.	NSW0	4322200
11A39	27(2)	19A25	3930600	.	NDIT/1	4322200
19A34	28(2)	17A26	6850502	.	PH5	4022200
	29(0)					
19A11	30(2)	27A25	3303800	.	NAXSL4/1	4022200
21A11	31(2)	27A28	5940200	.	NMIT	4322200
	32(0)					
	33(0)					
19A17	34(2)	19A28	6850502	.	PH5	4082400
	35(0)					
17A50	36(2)	23A25	3931000	.	DIV	4022200
27A38	37(2)	15A33	4300100	.	NF0	5940100
17A41	38(2)	19A40	6850702	.	PH7	5940100
20A38	39(2)	19A26	7590100	.	NSW0	5940100
19A38	40(2)	25A40	6850702	.	PH7	5940100
	41(0)					
17A33	42(2)	27A27	3306700	.	NAXSR4/1	4082400
	43(0)					
	44(1)	21A39	4082100	B	NEUC7	4082400
21A15	45(2)	16A41	5940000	B	MIT	5940100
	46(1)	21A42	4322100	B	NFDC7	4322200
	47(1)	21A36	4022100	B	NEDC7	4022200
	48(0)					
18A49	49(0)	20A49	0001000		4VA	0001020
	50(0)					
18A51	51(0)	20A51	0005000		8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
16A02	01(1)	13A01	1511300	T	D51	
	02(1)		6850710	T	(S/PH7)	
	03(1)	13A02	1501300	T	D50	
	04(1)	15A04	4001000	T	E1	
	05(1)	15A01	4000000	T	E0	
	06(1)	15A02	4001100	T	NE1	
	07(0)					
	08(1)	17A06	1470104	T	NA47	
	09(1)	17A09	5810150	T	(NM1.NM2)	
	10(1)	25A03	5810200	T	M2	
25A04	11(1)		6850865	T	(PH8.NDIV)	
23A12	12(1)		4322100	T	NFDC7	
	13(1)	15A14	4003100	T	NE3	
	14(1)	16A15	5941400	T	(MIT.(M2-SW2))	
	15(1)	17A15	7470000	T	RTZ	
	16(0)					
	17(1)	16A17	5810000	T	M1	
	18(0)					
25A05	19(1)		6850600	T	NPH6	
25A06	20(1)		6850500	T	NPH5	
25A07	21(1)		6850800	T	NPH8	
	22(1)	21A23	4094100	T	NEXNE	
	23(1)	15A23	4000100	T	NE0	
18A24	24(1)		7591800	T	(SW1+A47)	
	25(1)	16A19	1471300	T	D47	
25A08	26(1)		3160000	T	ASN	
14A27	27(1)		3980050	T	DSN	
25A27	28(1)		7591100	T	NSW1	
25A11	29(1)		1461340	T	ND46-1	
	30(0)					
	31(0)					
	32(0)					
	33(0)					
17A34	34(1)		3980200	T	NDSN	
	35(1)	16A36	3006400	T	NA5255Z	
21A37	36(1)		3140000	T	ALM	
	37(1)	16A37	4307100	T	NF7	
	38(1)	19A39	7590100	T	NSW0	
	39(0)					
23A40	40(1)		4390500	T	(FPRR+PH9)	
21A40	41(1)		3150000	T	ALR	
	42(0)					
19A20	43(2)	28A09	6502100	T	N02	
	44(1)	23A42	4002100	T	NE2	
	45(1)	23A43	4002000	T	E2	
23A44	46(1)		4335000	T	FEUF	
	47(0)					
	48(0)					
19A49	49(0)	21A49	0001000		4VA	0001020
	50(0)					
19A51	51(0)	21A51	0005000		8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
19A04	01(2)	25A02	5941400	.	(MIT.(M2-SW2))	5942000
25A03	02(2)	19A05	5810200	.	M2	5810160
14A11	03(2)	22A11	5810000	.	M1	5810150
19A01	04(2)	28A25	4390000	.	FPRD	6851062
17A09	05(2)	21A19	5810150	I	(NM1.NM2)	5810160
	06(1)	22A15	4090000	I	EX	4090000
17A13	07(2)	23A17	3165100	.	NASPP	4090000
27A24	08(2)	11A18	6850102	.	NPH1	4090000
	09(1)	14A12	6850482	.	(PH4.O6.NDSN)	7670500
	10(1)	25A01	7670500	I	N(S/SXD)	7670500
	11(1)	19A31	5940200	I	NMIT	5940200
19A13	12(2)	25A26	5940000	.	MIT	5940200
	13(1)	11A06	5978100	.	NMUL	5940000
21A23	14(2)	23A14	4094100	.	NEXNE	4090000
	15(1)	19A45	5940000	I	MIT	5940000
	16(0)					
10A40	17(2)	25A25	5942000	I	N(MIT.(M2-SW2))	5942000
30A15	18(2)	22A18	6851060	I	(PH10.NFPRD)	6851062
21A05	19(1)		5810150	I	(NM1.NM2)	5810150
	20(0)					
31A25	21(2)	21A24	6850760	.	(PH7.DIV.A47)	3204200
16A07	22(2)	22A20	6850860	.	(PH8.DIV.SW1)	7660400
20A22	23(2)	21A14	4094100	.	NEXNE	4094000
21A21	24(2)	15A39	6850760	.	(PH7.DIV.A47)	4082300
	25(1)	22A25	4094000	I	EXNE	4094000
21A34	26(2)	23A33	4082100	I	NEUC7	4082300
19A03	27(2)	23A46	7660100	I	N(S/SXA)	7660400
27A33	28(2)	22A28	3204000	I	NAX	3204200
	29(0)					
21A36	30(2)	21A31	4022100	.	NEDC7	4022000
21A30	31(1)		4022100	.	NEDC7	4021000
	32(0)					
	33(0)					
21A38	34(2)	21A26	4082100	I	NEUC7	4082100
23A35	35(2)	22A34	4081000	I	EUC3	4081000
19A47	36(2)	21A30	4022100	I	NEDC7	4022100
18A17	37(2)	20A36	3140000	.	ALM	4022100
21A39	38(2)	21A34	4082100	.	NEUC7	4082000
19A44	39(2)	21A38	4082100	.	NEUC7	4081000
18A31	40(2)	20A41	3150000	.	ALR	4082100
	41(1)	22A40	4082000	I	EUC7	4082000
19A46	42(2)	21A43	4322100	.	NFDC7	4321000
21A42	43(2)	23A12	4322100	.	NFDC7	4322000
	44(1)	22A42	4321000	I	FDC3	4321000
	45(1)	22A33	4322000	I	FDC7	4322000
	46(1)	22A45	4022000	I	EDC7	4022000
23A45	47(2)	22A46	4021000	I	EDC3	4021000
	48(0)					
20A49	49(0)	22A49	0001000	.	4VA	0001020
	50(0)					
20A51	51(0)	22A51	0005000	.	8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
31A19	01(1)	22B01	4400850	C	NFPXSL	
23A21	02(1)	22B02	6850900	C	PH9	
19A26	03(1)	22B03	7590100	C	NSW0	
28A45	04(1)	22B04	4400550	C	NFPXMISC	
22B05	05(1)	10A45	1462760	C	K46-1	
30A35	06(1)	22B06	6850675	C	(PH6.N06)	
	07(0)					
17A47	08(1)	22B08	4390050	C	FPRR	
31A04	09(1)	22B09	4401200	C	NFPXSU	
17A19	10(1)	22B10	5810200	C	M2	
21A03	11(1)	22B11	5810000	C	M1	
18A04	12(1)	22B12	3501500	C	NBXBL1	
27A23	13(1)	22B13	3503500	C	NBXFP	
23A15	14(1)	22B14	7670120	C	(S/SXAMD/2)	
21A06	15(1)	22B15	4090000	C	EX	
	16(0)					
23A31	17(1)	22B17	6850680	C	N(PH6.N06)	
21A18	18(1)	22B18	6851060	C	(PH10.NFPRD)	
	19(0)					
21A22	20(1)	22B20	6850860	C	(PH8.DIV.SW1)	
32A37	21(1)	22B21	6850802	C	PH8	
28A46	22(1)	22B22	3503600	C	NBXFPU	
28A15	23(1)	22B23	4399900	C	FPX	
	24(0)					
21A25	25(1)	22B25	4094000	C	EXNE	
	26(0)					
	27(0)					
21A28	28(1)	22B28	3204000	C	NAX	
	29(0)					
23A30	30(1)	22B30	6850202	C	NPH2	
	31(0)					
	32(0)					
21A45	33(1)	22B33	4322000	C	FDC7	
21A35	34(1)	22B34	4081000	C	EUC3	
16A46	35(1)	22B35	6507000	C	O7	
32A41	36(1)	22B36	6850702	C	PH7	
25A35	37(1)	22B37	3992050	C	NDXDR1	
30A05	38(1)	22B38	3303700	C	NAXSL4	
16A47	39(1)	22B39	6507100	C	N07	
21A41	40(1)	22B40	4082000	C	EUC7	
23A41	41(1)	22B41	4380100	C	NFPR	
21A44	42(1)	22B42	4321000	C	FDC3	
23A43	43(1)	22B43	4002000	C	E2	
32A39	44(1)	22B44	6850602	C	PH6	
21A46	45(1)	22B45	4022000	C	EDC7	
21A47	46(1)	22B46	4021000	C	EDC3	
	47(0)					
	48(0)					
21A49	49(0)	23A49	0001000		4VA	0001020
18A29	50(1)	22B50	6850400	C	PH4	
21A51	51(0)	23A51	0005000		8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	23A09	4390500	I	(FPRR+PH9)	4390500
	02(1)	23A13	7672000	I	N(S/SXMA)	7672020
	03(1)	23A20	4380000	.	FPR	7672020
17A07	04(1)		7670180	.	(S/SXAVA)	7672000
25A18	05(2)	19A18	5978000	.	MUL	4322100
17A24	06(2)	25A21	6850602	.	PH6	4322100
17A12	07(2)	25A15	6850720	.	N(S/PH7)	4322100
15A47	08(2)	12A13	1470100	.	A47	7672000
23A01	09(2)	23A40	4390500	.	(FPRR+PH9)	7672020
16A23	10(2)	25A13	4390100	.	NFPRR	4390500
09A45	11(2)	28A18	6850902	.	NPH9	4390500
21A43	12(2)	20A12	4322100	I	NFDC7	4322100
23A02	13(2)	27A10	7672000	I	N(S/SXMA)	7672000
21A14	14(1)		4094100	I	NEXNE	4094100
	15(1)	22A14	7670120	I	(S/SXAMD/2)	7670120
	16(0)					
21A07	17(2)	31A33	3165100	.	NASPP	7670120
	18(1)	13A25	3930500	.	NDIT	7670120
23A36	19(2)	31A14	4335200	.	N(FEUF.NFZ)	4094100
23A03	20(2)	10A30	4380000	.	FPR	4094100
28A26	21(2)	22A02	6850900	.	PH9	4094100
23A27	22(2)	25A14	6850620	.	N(S/PH6)	6850524
18A14	23(2)	25A20	6506000	.	06	6850524
23A26	24(2)	19A17	6850502	.	PH5	6850524
19A36	25(2)	26A07	3931000	.	DIV	4082200
28A44	26(2)	23A24	6850502	.	PH5	4082200
17A27	27(2)	23A22	6850620	.	N(S/PH6)	4082200
15A05	28(2)	25A19	7470100	.	NRTZ	6850524
08A39	29(2)	25A34	7800000	.	NTRAP	4094100
27A39	30(2)	22A30	6850202	.	NPH2	7670120
27A42	31(2)	22A17	6850680	.	N(PH6.N06)	7670120
	32(0)					
21A26	33(1)		4082100	I	NEUC7	4082200
09A25	34(2)	31A30	6850520	I	N(S/PH5)	6850524
	35(1)	21A35	4081000	I	EUC3	4081200
	36(1)	23A19	4335200	I	N(FEUF.NFZ)	4335200
11A12	37(2)	26A38	4498000	.	NFZ	4335200
15A09	38(2)	31A45	4330000	.	FE0F	4081200
31A37	39(2)	23A44	4335000	.	FEUF	4021200
23A09	40(2)	20A40	4390500	.	(FPRR+PH9)	7660500
09A34	41(2)	22A41	4380100	.	NFPR	7660500
20A44	42(2)	15A13	4002100	.	NE2	4021200
20A45	43(2)	22A43	4002000	.	E2	4081200
23A39	44(2)	20A46	4335000	.	FEUF	4335200
30A45	45(2)	21A47	4021000	I	EDC3	4021200
21A27	46(2)	27A04	7660100	I	N(S/SXA)	7660500
	47(0)					
	48(0)					
22A49	49(0)	24A49	0001000		4VA	0001020
	50(0)					
22A51	51(0)	24A51	0005000		8VA	0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
	12(0)					
	13(0)					
	14(0)					
	15(0)					
	16(0)					
	17(0)					
	18(0)					
	19(0)					
	20(0)					
	21(0)					
	22(0)					
	23(0)					
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	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(0)					
	30(0)					
	31(0)					
	32(0)					
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	35(0)					
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	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
23A49	49(0)	25A49	0001000	4VA		0001020
23A51	50(0)					
	51(0)	25A51	0005000	8VA		0005020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
21A10	01(2)	27A08	7670500	I	N(S/SXD)	7670520
21A01	02(2)	25A38	5941400	I	(MIT.(M2-SW2))	5941400
20A10	03(2)	21A02	5810200	.	M2	5941400
16A11	04(2)	20A11	6850865	.	(PH8.NDIV)	4390100
09A04	05(2)	20A19	6850600	.	NPH6	6850575
16A24	06(2)	20A20	6850500	.	NPH5	6850575
09A06	07(2)	20A21	6850800	.	NPH8	6850575
25A31	08(2)	20A26	3160000	.	ASN	4390100
28A37	09(2)	19A14	7592000	.	SW2	5941400
25A37	10(1)		7670184	.	(S/SXAVD)	7670520
16A20	11(2)	20A29	1461340	.	ND46-1	7670520
16A28	12(1)		6850575	I	(PH5+PH6+PH8)	6850575
23A10	13(2)	25A42	4390100	I	NFPRR	4390100
23A22	14(2)	31A42	6850620	I	N(S/PH6)	6850624
23A07	15(2)	25A29	6850720	I	N(S/PH7)	6850726
	16(0)					
	17(0)					
27A30	18(2)	23A05	5978000	.	MUL	6850726
23A28	19(2)	31A18	7470100	.	NRTZ	6850624
23A23	20(2)	26A21	6506000	.	06	6850624
23A06	21(2)	28A38	6850602	.	PH6	6850624
11A11	22(2)	26A37	4450000	.	FS	7800200
19A24	23(2)	28A07	6506100	.	N06	7800200
28A05	24(2)	26A25	1650300	.	B65	7800200
21A17	25(1)		5942000	.	N(MIT.(M2-SW2))	3991550
21A12	26(2)	31A03	5940000	.	MIT	3991550
16A31	27(2)	20A28	7591100	.	NSW1	3991550
	28(0)					
25A15	29(2)	25A41	6850720	.	N(S/PH7)	6850624
18A26	30(2)	31A40	6850480	.	(PH4.06.DSN)	6850726
14A29	31(2)	25A08	3160000	.	ASN	6850726
	32(0)					
27A29	33(2)	26A20	3991550	I	NDXDL1	3991550
23A29	34(2)	28A10	7800000	I	NTRAP	7800200
27A19	35(2)	22A37	3992050	I	NDXDR1	3992050
	36(1)	27A11	7673000	I	N(S/SXMD)	7673000
18A47	37(2)	25A10	7670184	.	(S/SXAVD)	7673000
25A02	38(1)		5941400	.	(MIT.(M2-SW2))	3992050
16A38	39(2)	27A18	6850802	.	PH8	6850822
19A40	40(2)	30A40	6850702	.	PH7	6850820
25A29	41(2)	31A50	6850720	.	N(S/PH7)	6850820
25A13	42(2)	30A30	4390100	.	NFPRR	6850822
31A27	43(2)	09A27	7591000	.	SW1	3992050
25A47	44(2)	18A43	1461300	.	D46	7673000
25A46	45(1)		6850820	I	N(S/PH8)	6850822
09A08	46(2)	25A45	6850820	I	N(S/PH8)	6850820
	47(1)	25A44	1461300	T	D46	
	48(0)					
24A49	49(0)	26A49	0001000		4VA	0001030
	50(0)					
24A51	51(0)	26A51	0005000		8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
28A02	01(1)	26B01	3300400	C	NAXFP	
	02(0)					
10A26	03(1)	26B03	7670020	C	NSXADD	
08A20	04(1)	26B04	5600200	C	NKSXB	
08A42	05(1)	26B05	5600300	C	NKSXD	
28A11	06(1)	26B06	6851000	C	PH10	
23A25	07(1)	26B07	3931000	C	DIV	
30A38	08(1)	26B08	6850200	C	PH2	
16A43	09(1)	26B09	7670110	C	N(S/SXAMD/1)	
31A06	10(1)	26B10	4375000	C	FPDIS	
28A18	11(1)	26B11	6850902	C	NPH9	
08A19	12(1)	26B12	5600000	C	NKSXA	
27A13	13(1)	26B13	7660700	C	N(S/SXA+S/SXD)	
27A20	14(1)	26B14	3991050	C	NOXA	
27A21	15(1)	26B15	3992600	C	NDXS	
	16(0)					
27A14	17(1)	26B17	3990550	C	NDX	
27A15	18(1)	26B18	3003000	C	A2831XB	
30A10	19(1)	26B19	3305700	C	NAXSR2	
25A33	20(1)	26B20	3991550	C	NDXD1	
25A20	21(1)	26B21	6506000	C	06	
30A17	22(1)	26B22	3306600	C	NAXSR4	
30A11	23(1)	26B23	3502500	C	NBXBL2	
27A01	24(1)	26B24	7672200	C	N(S/SXMA+S/SXMD)	
25A24	25(1)	26B25	1650300	C	B65	
30A19	26(1)	26B26	3302800	C	NAXSL1	
26B27	27(1)	28A30	6851002	C	NPH10	
08A43	28(1)	26B28	5600100	C	KSXB	
27A34	29(1)	26B29	3499000	C	NBX	
27A35	30(1)	26B30	4091000	C	EXFM64	
27A36	31(1)	26B31	4095000	C	EXNFM64	
	32(0)					
28A13	33(1)	26B33	3800000	C	N(S/CC1/FP)	
27A02	34(1)	26B34	7660800	C	N(S/SXA+S/SXMD)	
28A24	35(1)	26B35	6850300	C	PH3	
31A20	36(1)	26B36	3801000	C	N(S/CC2/FP)	
25A22	37(1)	26B37	4450000	C	FS	
23A37	38(1)	26B38	4498000	C	NFZ	
26B39	39(1)	28A21	4349900	C	FNF	
	40(0)					
28A22	41(1)	26B41	6502100	C	NO2	
27A46	42(1)	26B42	7672100	C	N(S/SXMA+S/SXD)	
28A20	43(1)	26B43	6506100	C	NO6	
28A33	44(1)	26B44	7480000	C	N(S/RW/FP)	
30A46	45(1)	26B45	4390400	C	NFPRR-1	
30A41	46(1)	26B46	4496000	C	FXNA	
	47(0)					
	48(0)					
25A49	49(0)	27A49	0001000	4VA		0001030
	50(0)					
25A51	51(0)	27A51	0005000	8VA		0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	26A24	7672200	B	N(S/SXMA+S/SXMD)	7672200
	02(1)	26A34	7660800	B	N(S/SXA+S/SXMD)	7660800
27A04	03(2)	32A09	7660100	.	N(S/SXA)	7660800
23A46	04(2)	27A03	7660100	.	N(S/SXA)	7660700
27A28	05(2)	30A09	5940200	.	NMIT	3204100
18A06	06(2)	27A22	3930600	.	NDIT/1	3204100
32A11	07(2)	27A42	6850680	.	N(PH6.N06)	3204100
25A01	08(2)	27A41	7670500	.	N(S/SXD)	7660700
27A11	09(2)	32A12	7673000	.	N(S/SXMD)	7660800
23A13	10(2)	27A40	7672000	.	N(S/SXMA)	7672200
25A36	11(2)	27A09	7673000	.	N(S/SXMD)	7672200
	12(1)	27A33	3204000	B	NAX	3204100
	13(1)	26A13	7660700	B	N(S/SXA+S/SXD)	7660700
	14(1)	26A17	3990550	B	NDX	3990550
	15(1)	26A18	3003000	B	A2831XB	3003000
	16(0)					
	17(0)					
25A39	18(2)	30A37	6850802	.	PH8	3003000
	19(1)	25A35	3992050	.	NDXDR1	3990550
28A35	20(2)	26A14	3991050	.	NDXA	3990550
27A45	21(2)	26A15	3992600	.	NDXS	3990550
27A06	22(2)	30A03	3930600	.	NDIT/1	3499000
28A34	23(2)	22A13	3503500	.	NBXP	3499000
	24(1)	21A08	6850102	.	NPH1	3499000
19A30	25(2)	30A02	3303800	.	NAXSL4/1	3204000
	26(1)	17A30	3301700	.	NAXS	3204000
19A42	27(2)	30A01	3306700	.	NAXSR4/1	3204000
19A31	28(2)	27A05	5940200	.	NMIT	3499000
	29(1)	25A33	3991550	.	NDXDL1	3990550
28A23	30(2)	25A18	5978000	.	MUL	3003000
17A36	31(2)	32A35	3160200	.	NASN	3003000
	32(0)					
27A12	33(2)	21A28	3204000	B	NAX	3204000
	34(1)	26A29	3499000	B	NBX	3499000
	35(1)	26A30	4091000	B	EXFM64	4091000
	36(1)	26A31	4095000	B	EXNFM64	4095000
32A23	37(2)	16A34	4300000	.	F0	4095000
32A26	38(2)	19A37	4300100	.	NF0	4091000
	39(1)	23A30	6850202	.	NPH2	3992600
27A10	40(2)	32A31	7672000	.	N(S/SXMA)	7672100
27A08	41(2)	32A28	7670500	.	N(S/SXD)	7672100
27A07	42(2)	23A31	6850680	.	N(PH6.N06)	3992600
27A44	43(2)	31A29	3165000	.	ASPP	4091000
16A29	44(2)	27A43	3165000	.	ASPP	4095000
	45(1)	27A21	3992600	B	NDXS	3992600
	46(1)	26A42	7672100	B	N(S/SXMA+S/SXD)	7672100
	47(0)					
	48(0)					
26A49	49(0)	28A49	0001000		4VA	0001030
	50(0)					
26A51	51(0)	28A51	0005000		8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	28A33	7480000	I	N(S/RW/FP)	7480100
	02(1)	26A01	3300400	I	NAXFP	3300400
	03(1)	28A24	6850300	.	PH3	3300400
31A02	04(2)	28A06	6850900	.	PH9	3800000
11A14	05(2)	25A24	1650300	.	B65	3800100
28A04	06(2)	28A26	6850900	.	PH9	3800100
25A23	07(2)	30A33	6506100	.	N06	3800100
15A07	08(2)	31A22	4335000	.	FEUF	3800000
20A43	09(2)	28A22	6502100	.	N02	3300400
25A34	10(2)	28A27	7800000	.	NTRAP	7480100
30A13	11(2)	26A06	6851000	.	PH10	7480100
	12(1)	28A13	3800000	I	N(S/CC1/FP)	3800100
28A12	13(2)	26A33	3800000	I	N(S/CC1/FP)	3800000
17A37	14(1)		4350000	I	N(FNF.N06)	4350000
	15(1)	22A23	4399900	I	FPX	4399900
	16(0)					
13A07	17(2)	31A09	4375200	.	NFPDIS	4399900
23A11	18(2)	26A11	6850902	.	NPH9	4399900
	19(0)					
30A33	20(2)	26A43	6506100	.	N06	4350000
26A39	21(2)	32A36	4349900	.	FNF	4350000
28A09	22(2)	26A41	6502100	.	N02	3503500
28A41	23(2)	27A30	5978000	.	MUL	3503500
28A03	24(2)	26A35	6850300	.	PH3	3503500
21A04	25(2)	31A13	4390000	.	FPRD	7480000
28A06	26(2)	23A21	6850900	.	PH9	7480000
28A10	27(2)	31A41	7800000	.	NTRAP	7480000
	28(0)					
	29(0)					
26A27	30(1)		6851002	.	NPH10	4399900
	31(0)					
	32(0)					
28A01	33(2)	26A44	7480000	I	N(S/RW/FP)	7480000
	34(1)	27A23	3503500	I	NBFXFP	3503500
28A36	35(2)	27A20	3991050	I	NDXA	3991060
	36(1)	28A35	3991050	I	NDXA	3991050
28A43	37(2)	25A09	7592000	.	SW2	3991060
25A21	38(2)	30A39	6850602	.	PH6	3991060
08A10	39(1)		5551000	.	KFPXSMISC	4400550
	40(1)	18A34	6850100	.	PH1	3503600
	41(1)	28A23	5978000	.	MUL	3503600
13A42	42(2)	31A06	4375000	.	FPDIS	4400550
32A50	43(2)	28A37	7592000	.	SW2	3991060
32A45	44(2)	23A26	6850502	.	PH5	3991050
30A42	45(2)	22A04	4400550	I	NFPXMISC	4400550
	46(1)	22A22	3503600	I	NBFXPU	3503600
	47(0)					
	48(0)					
27A49	49(0)	29A49	0001000		4VA	0001030
	50(0)					
27A51	51(0)	29A51	0005000		8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
	12(0)					
	13(0)					
	14(0)					
	15(0)					
	16(0)					
	17(0)					
	18(0)					
	19(0)					
	20(0)					
	21(0)					
	22(0)					
	23(0)					
	24(0)					
	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(0)					
	30(0)					
	31(0)					
	32(0)					
	33(0)					
	34(0)					
	35(0)					
	36(0)					
	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
28A49	49(0)	30A49	0001000	4VA		0001030
28A51	50(0)					
	51(0)	30A51	0005000	8VA		0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
27A27	01(2)	32A03	3306700	.	NAXSR4/1	3306600
27A25	02(2)	32A04	3303800	.	NAXSL4/1	3303700
27A22	03(2)	32A05	3930600	.	NDIT/1	3302800
	04(0)					
	05(1)	22A38	3303700	B	NAXSL4	3303700
	06(0)					
	07(0)					
	08(0)					
27A05	09(2)	30A12	5940200	.	NMIT	3305700
	10(1)	26A19	3305700	B	NAXSR2	3305700
	11(1)	26A23	3502500	B	NBXBL2	3502500
30A09	12(2)	32A13	5940200	.	NMIT	3502500
31A11	13(2)	28A11	6851000	.	PH10	6851060
	14(0)					
	15(1)	21A18	6851060	B	(PH10.NFPRD)	6851060
	16(0)					
	17(1)	26A22	3306600	B	NAXSR4	3306600
	18(0)					
	19(1)	26A26	3302800	B	NAXSL1	3302800
	20(0)					
	21(0)					
	22(0)					
	23(0)					
	24(0)					
	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(0)					
25A42	30(2)	32A29	4390100	.	NFPRR	4390400
	31(0)					
	32(0)					
28A07	33(2)	28A20	6506100	.	N06	4496000
18A42	34(1)		6850780	B	(PH7.N06)	6850780
31A36	35(2)	22A06	6850675	B	(PH6.N06)	6850675
13A45	36(1)		6850870	B	(PH8.O2.N06)	6850870
27A18	37(2)	32A37	6850802	.	PH8	6850870
10A19	38(2)	26A08	6850200	.	PH2	4496000
28A38	39(2)	32A39	6850602	.	PH6	6850675
25A40	40(2)	32A41	6850702	.	PH7	6850780
	41(1)	26A46	4496000	B	FXNA	4496000
	42(1)	28A45	4400550	.	NFPXMISC	5552010
32A43	43(2)	17A01	4000950	.	E0407Z	4021100
08A47	44(2)	31A07	5552000	B	KFPXSU	5552010
	45(1)	23A45	4021000	B	EDC3	4021100
	46(1)	26A45	4390400	B	NFPRR-1	4390400
	47(0)					
	48(0)					
29A49	49(0)	31A49	0001000	.	4VA	0001030
	50(0)					
29A51	51(0)	31A51	0005000	.	8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
32A01	01(2)	31A27	7591000	.	SW1	3801100
31A12	02(2)	28A04	6850900	.	PH9	3801100
25A26	03(2)	32A02	5940000	.	MIT	6850724
	04(1)	22A09	4401200	I	NFPXSU	4401200
31A31	05(1)		6850720	I	N(S/PH7)	6850724
28A42	06(2)	26A10	4375000	.	FDP1S	4400850
30A44	07(1)		5552000	.	KFPXSU	4401200
31A18	08(2)	32A07	7470100	.	NRTZ	4401300
28A17	09(2)	31A17	4375200	.	NFPD1S	4401300
	10(0)					
32A10	11(2)	30A13	6851000	.	PH10	4401300
31A21	12(2)	31A02	6850900	.	PH9	4400860
28A25	13(1)		4390000	.	FPRD	4400860
23A19	14(2)	31A38	4335200	.	N(FEUF.NFZ)	4400860
08A46	15(1)		5550000	.	KFPXSL	4400850
	16(1)	31A26	4601131	-NS	GND1131	4601131
31A09	17(2)	32A17	4375200	.	NFPD1S	4400860
25A19	18(2)	31A08	7470100	.	NRTZ	4400860
	19(1)	22A01	4400850	I	NFPXSL	4400850
	20(1)	26A36	3801000	I	N(S/CC2/FP)	3801000
31A23	21(2)	31A12	6850900	.	PH9	3801100
28A08	22(2)	31A37	4335000	.	FEUF	3801100
32A22	23(2)	31A21	6850900	.	PH9	3801000
31A45	24(2)	32A25	4330000	.	FEUF	3801000
32A24	25(2)	21A21	6850760	.	(PH7.DIV.A47)	6850720
31A16	26(1)		4601131	.	GND1131	6850520
31A01	27(2)	25A43	7591000	.	SW1	7800000
	28(0)					
27A43	29(2)	32A30	3165000	.	ASPP	6850622
23A34	30(1)		6850520	I	N(S/PH5)	6850520
31A50	31(2)	31A05	6850720	I	N(S/PH7)	6850720
	32(0)					
23A17	33(2)	32A33	3165100	.	NASPP	6850522
19A02	34(2)	32A34	6850486	.	(PH4.N06+PH5.N06)	6850522
	35(0)					
	36(1)	30A35	6850675	.	(PH6.N06)	6850720
31A22	37(2)	23A39	4335000	.	FEUF	7800100
31A14	38(2)	32A38	4335200	.	N(FEUF.NFZ)	7800100
	39(0)					
25A30	40(2)	32A40	6850480	.	(PH4.06.DSN)	6850620
28A27	41(1)		7800000	I	NTRAP	7800000
25A14	42(1)		6850620	I	N(S/PH6)	6850620
18A37	43(2)	32A42	6850570	.	(PH5.06.ASN.NSW2)	6850622
	44(0)					
23A38	45(2)	31A24	4330000	.	FEUF	7800000
18A40	46(2)	32A46	6850482	.	(PH4.06.NDSN)	6850520
17A46	47(2)	32A47	6850670	.	(PH6.06.ASN.DSN)	6850722
	48(0)					
30A49	49(0)	32A49	0001000		4VA	0001030
25A41	50(2)	31A31	6850720	.	N(S/PH7)	6850620
30A51	51(0)	32A51	0005000		8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	31A01	7591000	T	SW1	
31A03	02(1)		5940000	T	MIT	
30A01	03(1)		3306700	T	NAXSR4/1	
30A02	04(1)		3303800	T	NAXSL4/1	
30A03	05(1)		3930600	T	NDIT/1	
	06(0)					
31A08	07(1)		7470100	T	NRTZ	
	08(0)					
27A03	09(1)		7660100	T	N(S/SXA)	
	10(1)	31A11	6851000	T	PH10	
	11(1)	27A07	6850680	T	N(PH6.N06)	
27A09	12(1)		7673000	T	N(S/SXMD)	
30A12	13(1)		5940200	T	NMIT	
	14(0)					
	15(0)					
	16(0)					
31A17	17(1)		4375200	T	NFPDIS	
	18(0)					
	19(0)					
	20(0)					
	21(0)					
	22(1)	31A23	6850900	T	PH9	
	23(1)	27A37	4300000	T	F0	
	24(1)	31A25	6850760	T	(PH7.DIV.A47)	
31A24	25(1)		4330000	T	FE0F	
	26(1)	27A38	4300100	T	NF0	
	27(0)					
27A41	28(1)		7670500	T	N(S/SXD)	
30A30	29(1)		4390100	T	NFPRR	
31A29	30(1)		3165000	T	ASPP	
27A40	31(1)		7672000	T	N(S/SXMA)	
	32(0)					
31A33	33(1)		3165100	T	NASPP	
31A34	34(1)		6850486	T	(PH4.N06+PH5.N06)	
27A31	35(1)		3160200	T	NASN	
28A21	36(1)		4349900	T	FNF	
30A37	37(2)	22A21	6850802	T	PH8	
31A38	38(1)		4335200	T	N(FEUF.NFZ)	
30A39	39(2)	22A44	6850602	T	PH6	
31A40	40(1)		6850480	T	(PH4.06.DSN)	
30A40	41(2)	22A36	6850702	T	PH7	
31A43	42(1)		6850570	T	(PH5.06.ASN.NSW2)	
	43(1)	30A43	4000950	T	E0407Z	
	44(0)					
	45(1)	28A44	6850502	T	PH5	
31A46	46(1)		6850482	T	(PH4.06.NDSN)	
31A47	47(1)		6850670	T	(PH6.06.ASN.DSN)	
	48(0)					
31A49	49(0)		0001000		4VA	0001030
	50(1)	28A43	7592000	T	SW2	
31A51	51(0)		0005000		8VA	0005030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03B09	1625500	B	PR62	1625500
	02(1)	03B07	1635500	B	PR63	1635500
02B03	03(2)	01D03	3992400	.	DXS-U	1621312
	04(1)	03B01	1622500	B	G62	1622500
	05(0)		1620500	B	C62	1620500
	06(1)	03B06	1632500	B	G63	1632500
02B07	07(2)	01D07	3990400	.	DX-U	1621330
	08(0)					
	09(1)	02B09	3850200	.	CL-05B09	1621334
	10(0)					
02B11	11(2)	01D11	3990900	.	DXA-U	1621310
	12(1)	01B24	1620100	.	A62	1621310
	13(1)	01B18	1630100	.	A63	1631310
	14(1)	01B16	4601802	.	GND1802	1621312
	15(0)		1630500	B	C63	1630500
01B14	16(2)	01B22	4601802	-NS	GND1802	4601802
	17(1)	04C04	1626500	B	S62	1626502
01B13	18(2)	06C04	1630100	.	A63	1630140
	19(1)	04C25	1636500	B	S63	1636502
02B20	20(2)	01D20	6910940	.	PRXAND/B	1625502
02B21	21(2)	01D21	4610200	.	GXAD/B	1622500
01B16	22(2)	01B31	4601802	.	GND1802	1622500
	23(1)	01B30	1631300	FF	D63	1631300
01B12	24(2)	06C27	1620100	.	A62	1620140
02B25	25(2)	01D25	4620200	.	GXAND/B	1622502
02B26	26(2)	01D26	6912740	.	PRXNAND/B	1625502
02B27	27(2)	01D27	6911820	.	PRXNAD/B	1625500
	28(1)	01B39	1621300	FF	D62	1621300
02B29	29(2)	01D29	6910440	.	PRXAD/B	1625500
01B23	30(2)	01D35	1631300	.	D63	1620500
01B22	31(2)	01B41	4601802	.	GND1802	1620502
	32(0)					
17B15	33(2)	23C27	1232100	.	FP23	1636506
02B34	34(2)	01D34	3991400	.	DXDL1-U	1620500
02B30	35(1)		1611300	.	D61	1620502
	36(1)	01D28	1641300	.	D64	1630500
02B37	37(2)	01D37	3991900	.	DXDR1-U	1620502
03B20	38(1)		1622750	.	K62	1626500
01B28	39(2)	02B36	1621300	.	D62	1630502
01B41	40(1)		4601802	.	GND1802	1620500
01B31	41(2)	01B40	4601802	.	GND1802	1626504
	42(1)	25C25	1630300	.	B63	1636504
02B43	43(2)	01D43	7670300	.	SXB-U	1626504
	44(1)	25C10	1620300	.	B62	1626504
02B45	45(2)	01D45	7671300	.	SXFP/U	1626506
03B08	46(2)	05D18	1632750	.	K63	1636500
17B14	47(2)	23C29	1222100	.	FP22	1626506
	48(0)					
	49(0)	02B49	0002000	-VSP	4VB	0002000
	50(0)					
	51(0)	02B51	0006000	-VSP	8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03805	1605500	B	PR60	1605500
	02(1)	03810	1615500	B	PR61	1615500
04803	03(2)	01803	3992400	.	DXS-U	1601312
	04(1)	03802	1602500	B	G60	1602500
	05(0)		1600500	B	C60	1600500
	06(1)	03804	1612500	B	G61	1612500
04807	07(2)	01807	3990400	.	DX-U	1601330
	08(0)					
01809	09(2)	04809	3850200	.	CL-05809	1601334
	10(0)					
04811	11(2)	01811	3990900	.	DXA-U	1601310
	12(1)	02824	1600100	.	A60	1601310
	13(1)	02818	1610100	.	A61	1611310
	14(1)	02816	4601702	.	GND1702	1601312
	15(0)		1610500	B	C61	1610500
02814	16(2)	02822	4601702	-NS	GND1702	4601702
09C31	17(1)		1606500	I	S60	1606500
02813	18(2)	03C27	1610100	.	A61	1610140
	19(1)	04C14	1616500	I	S61	1616500
04820	20(2)	01820	6910940	.	PRXAND/B	1605502
04821	21(2)	01821	4610200	.	GXAD/B	1602500
02816	22(2)	02831	4601702	.	GND1702	1602500
	23(1)	02830	1611300	FF	D61	1611300
02812	24(2)	03C31	1600100	.	A60	1600140
04825	25(2)	01825	4620200	.	GXAND/B	1602502
04826	26(2)	01826	6912740	.	PRXNAND/B	1605502
04827	27(2)	01827	6911820	.	PRXNAD/B	1605500
	28(1)	02839	1601300	FF	D60	1601300
04829	29(2)	01829	6910440	.	PRXAD/B	1605500
02823	30(2)	01835	1611300	.	D61	1600500
02822	31(2)	02841	4601702	.	GND1702	1600502
	32(0)					
17813	33(2)	23C24	1212100	.	FP21	1616506
04834	34(2)	01834	3991400	.	DXDL1-U	1600500
	35(1)	04830	1591300	.	D59	1600502
01839	36(1)		1621300	.	D62	1610500
04837	37(2)	01837	3991900	.	DXDR1-U	1600502
03819	38(1)		1602750	.	K60	1606500
02828	39(2)	04836	1601300	.	D60	1610502
02841	40(1)		4601702	.	GND1702	1600500
02831	41(2)	02840	4601702	.	GND1702	1606504
	42(1)	27C24	1610300	.	B61	1616504
04843	43(2)	01843	7670300	.	SXB-U	1606504
	44(1)	27C28	1600300	.	B60	1606504
04845	45(2)	01845	7671300	.	SXFP/U	1606506
03818	46(1)		1612750	.	K61	1616500
17818	47(2)	23C26	1202100	.	FP20	1606506
	48(0)					
01849	49(0)	03849	0002000		4VB	0002000
	50(0)					
01851	51(0)	03851	0006000		8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
01804	01(1)		1622500	.	G62	4500701
02804	02(1)		1602500	.	G60	4500700
	03(0)					
02806	04(1)		1612500	.	G61	4500701
02801	05(1)		1605500	.	PR60	4500701
01806	06(1)		1632500	.	G63	4500702
01802	07(1)		1635500	.	PR63	1602751
05C03	08(2)	01846	1632750	.	K63	1602751
01801	09(1)		1625500	.	PR62	4500702
02802	10(1)		1615500	.	PR61	4500701
	11(1)	03816	4601703	.	GND1703	4500702
	12(0)					
	13(0)					
	14(0)					
	15(0)					
03811	16(2)	03838	4601703	-NS	GND1703	4601703
	17(1)	05D04	4500700	B	G6063	4500700
	18(1)	02846	1612750	B	K61	1612750
	19(1)	02838	1602750	B	K60	1602750
	20(1)	01838	1622750	B	K62	1622750
	21(1)	05D10	6900400	B	PR6063	6900400
	22(0)					
	23(1)	05D05	6900360	B	PR5659	6900360
	24(1)	01C08	1470170	B	(S/A47/2)	1470170
	25(1)	04838	1582750	B	K58	1582750
	26(1)	05838	1562750	B	K56	1562750
	27(1)	05846	1572750	B	K57	1572750
	28(1)	05D02	4500600	B	G5659	4500600
11801	29(2)	05D30	1465500	.	PR46	1470170
11847	30(2)	02C07	1476500	.	S47	1470180
02C37	31(1)		3300750	.	AXS-1	1470180
	32(0)					
13805	33(2)	05C04	1462755	.	NK46	1470170
	34(1)	15C10	3502000	.	BXBL2-L	1470170
11804	35(1)		1462500	.	G46	1470180
	36(0)					
	37(0)					
03816	38(1)		4601703	.	GND1703	4500602
04801	39(1)		1585500	.	PR58	4500602
05802	40(1)		1575500	.	PR57	4500602
04802	41(1)		1595500	.	PR59	1562751
05C05	42(2)	04846	1592750	.	K59	1562751
05801	43(1)		1565500	.	PR56	4500601
05806	44(1)		1572500	.	G57	4500601
	45(0)					
05804	46(1)		1562500	.	G56	4500600
04806	47(1)		1592500	.	G59	4500602
	48(0)					
02849	49(0)	04849	0002000		4V8	0002000
04804	50(1)		1582500	.	G58	4500601
02851	51(0)	04851	0006000		8V8	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03B39	1585500	B	PR58	1585500
	02(1)	03B41	1595500	B	PR59	1595500
05B03	03(2)	02B03	3992400	.	DXS-U	1581312
	04(1)	03B50	1582500	B	G58	1582500
	05(0)		1580500	B	C58	1580500
	06(1)	03B47	1592500	B	G59	1592500
05B07	07(2)	02B07	3990400	.	DX-U	1581330
	08(0)					
02B09	09(2)	05B09	3850200	.	CL-05B09	1581334
	10(0)					
05B11	11(2)	02B11	3990900	.	DXA-U	1581310
	12(1)	04B24	1580100	.	A58	1581310
	13(1)	04B18	1590100	.	A59	1591310
	14(1)	04B16	4601704	.	GND1704	1581312
	15(0)		1590500	B	C59	1590500
04B14	16(2)	04B22	4601704	-NS	GND1704	4601704
04C45	17(1)		1586500	I	S58	1586500
04B13	18(2)	03C30	1590100	.	A59	1590140
04C44	19(1)		1596500	I	S59	1596500
05B20	20(2)	02B20	6910940	.	PRXAND/B	1585502
05B21	21(2)	02B21	4610200	.	GXAD/B	1582500
04B16	22(2)	04B31	4601704	.	GND1704	1582500
04B30	23(1)		1591300	FF	D59	1591300
04B12	24(2)	03C14	1580100	.	A58	1580140
05B25	25(2)	02B25	4620200	.	GXAND/B	1582502
05B26	26(2)	02B26	6912740	.	PRXNAND/B	1585502
05B27	27(2)	02B27	6911820	.	PRXNAD/B	1585500
	28(1)	04B39	1581300	FF	D58	1581300
05B29	29(2)	02B29	6910440	.	PRXAD/B	1585500
02B35	30(2)	04B23	1591300	.	D59	1580500
04B22	31(2)	04B41	4601704	.	GND1704	1580502
	32(0)					
17B35	33(2)	23C28	1192100	.	FP19	1596506
05B34	34(2)	02B34	3991400	.	DXDL1-U	1580500
05B30	35(1)		1571300	.	D57	1580502
02B39	36(1)		1601300	.	D60	1590500
05B37	37(2)	02B37	3991900	.	DXDR1-U	1580502
03B25	38(1)		1582750	.	K58	1586500
04B28	39(2)	05B36	1581300	.	D58	1590502
04B41	40(1)		4601704	.	GND1704	1580500
04B31	41(2)	04B40	4601704	.	GND1704	1586504
	42(1)	27C25	1590300	.	B59	1596504
05B43	43(2)	02B43	7670300	.	SXB-U	1586504
	44(1)	27C10	1580300	.	B58	1586504
05B45	45(2)	02B45	7671300	.	SXFP/U	1586506
03B42	46(2)	05D19	1592750	.	K59	1596500
17B34	47(2)	23C34	1182100	.	FP18	1586506
	48(0)					
03B49	49(0)	05B49	0002000		4VB	0002000
	50(0)					
03B51	51(0)	05B51	0006000		8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03B43	1565500	B	PR56	1565500
	02(1)	03B40	1575500	B	PR57	1575500
06B03	03(2)	04B03	3992400	.	DXS-U	1561312
	04(1)	03B46	1562500	B	G56	1562500
	05(0)		1560500	B	C56	1560500
	06(1)	03B44	1572500	B	G57	1572500
06B07	07(2)	04B07	3990400	.	DX-U	1561330
	08(0)					
04B09	09(2)	07B09	3850200	-NS	CL-05B09	3850200
	10(0)					
06B11	11(2)	04B11	3990900	.	DXA-U	1561310
	12(1)	05B24	1560100	.	A56	1561310
	13(1)	05B18	1570100	.	A57	1571310
	14(1)	05B16	4601705	.	GND1705	1561312
	15(0)		1570500	B	C57	1570500
05B14	16(2)	05B22	4601705	-NS	GND1705	4601705
02C43	17(1)		1566500	I	S56	1566500
05B13	18(2)	03C02	1570100	.	A57	1570140
02C24	19(1)		1576500	I	S57	1576500
29B44	20(2)	04B20	6910940	.	PRXAND/B	1565502
28B25	21(2)	04B21	4610200	.	GXAD/B	1562500
05B16	22(2)	05B31	4601705	.	GND1705	1562500
	23(1)	05B30	1571300	FF	D57	1571300
05B12	24(2)	03C33	1560100	.	A56	1560140
27B41	25(2)	04B25	4620200	.	GXAND/B	1562502
27B44	26(2)	04B26	6912740	.	PRXNAND/B	1565502
29B26	27(2)	04B27	6911820	.	PRXNAD/B	1565500
	28(1)	05B39	1561300	FF	D56	1561300
29B18	29(2)	04B29	6910440	.	PRXAD/B	1565500
05B23	30(2)	04B35	1571300	.	D57	1560500
05B22	31(2)	05B41	4601705	.	GND1705	1560502
	32(0)					
17B33	33(2)	23C30	1172100	.	FP17	1576506
06B34	34(2)	04B34	3991400	.	DXDL1-U	1560500
06B30	35(1)		1551300	.	D55	1560502
04B39	36(1)		1581300	.	D58	1570500
06B37	37(2)	04B37	3991900	.	DXDR1-U	1560502
03B26	38(1)		1562750	.	K56	1566500
05B28	39(2)	06B36	1561300	.	D56	1570502
05B41	40(1)		4601705	.	GND1705	1560500
05B31	41(2)	05B40	4601705	.	GND1705	1566504
	42(1)	29C24	1570300	.	B57	1576504
06B43	43(2)	04B43	7670300	.	SXB-U	1566504
	44(1)	29C28	1560300	.	B56	1566504
06B45	45(2)	04B45	7671300	.	SXFP/U	1566506
03B27	46(1)		1572750	.	K57	1576500
17B37	47(2)	25C26	1162100	.	FP16	1566506
	48(0)					
04B49	49(0)	06B49	0002000		4VB	0002000
	50(0)					
04B51	51(0)	06B51	0006000		8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	08B09	1545500	B	PR54	1545500
	02(1)	08B07	1555500	B	PR55	1555500
07B03	03(2)	05B03	3992400	.	DXS-U	1541312
	04(1)	08B01	1542500	B	G54	1542500
	05(0)		1540500	B	C54	1540500
	06(1)	08B06	1552500	B	G55	1552500
07B07	07(2)	05B07	3990400	.	DX-U	1541330
	08(0)					
	09(1)	06C01	3850500	.	CL-06C01	1541334
	10(0)					
07B11	11(2)	05B11	3990900	.	DXA-U	1541310
	12(1)	06B24	1540100	.	A54	1541310
	13(1)	06B18	1550100	.	A55	1551310
	14(1)	06B16	4601706	.	GND1706	1541312
	15(0)		1550500	B	C55	1550500
06B14	16(2)	06B22	4601706	-NS	GND1706	4601706
04C34	17(1)		1546500	I	S54	1546500
06B13	18(2)	03C04	1550100	.	A55	1550140
02C36	19(1)		1556500	I	S55	1556500
05C06	20(2)	07B20	6910920	.	PRXAND/A	1545502
05C07	21(2)	07B21	4610100	.	GXAD/A	1542500
06B16	22(2)	06B31	4601706	.	GND1706	1542500
	23(1)	06B30	1551300	FF	D55	1551300
06B12	24(2)	01C27	1540100	.	A54	1540140
05C09	25(2)	07B25	4620100	.	GXAND/A	1542502
05C08	26(2)	07B26	6912720	.	PRXNAND/A	1545502
05C10	27(2)	07B27	6911760	.	PRXNAD/A	1545500
	28(1)	06B39	1541300	FF	D54	1541300
05C11	29(2)	07B29	6910420	.	PRXAD/A	1545500
06B23	30(2)	05B35	1551300	.	D55	1540500
06B22	31(2)	06B41	4601706	.	GND1706	1540502
	32(0)					
16B15	33(2)	19C27	1152100	.	FP15	1556506
07B34	34(2)	05B34	3991400	.	DXDL1-U	1540500
07B30	35(1)		1531300	.	D53	1540502
05B39	36(1)		1561300	.	D56	1550500
07B37	37(2)	05B37	3991900	.	DXDR1-U	1540502
08B20	38(1)		1542750	.	K54	1546500
06B28	39(2)	07B36	1541300	.	D54	1550502
06B41	40(1)		4601706	.	GND1706	1540500
06B31	41(2)	06B40	4601706	.	GND1706	1546504
	42(1)	29C25	1550300	.	B55	1556504
07B43	43(2)	05B43	7670300	.	SXB-U	1546504
	44(1)	29C10	1540300	.	B54	1546504
07B45	45(2)	05B45	7671300	.	SXFP/U	1546506
08B08	46(2)	05D25	1552750	.	K55	1556500
16B14	47(2)	19C29	1142100	.	FP14	1546506
	48(0)					
05B49	49(0)	07B49	0002000		4VB	0002000
	50(0)					
05B51	51(0)	07B51	0006000		8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	08B05	1525500	B	PR52	1525500
	02(1)	08B10	1535500	B	PR53	1535500
09B03	03(2)	06B03	3992400	.	DXS-U	1521312
	04(1)	08B02	1522500	B	G52	1522500
	05(0)		1520500	B	C52	1520500
	06(1)	08B04	1532500	B	G53	1532500
09B07	07(2)	06B07	3990400	.	DX-U	1521330
	08(0)					
05B09	09(2)	09B09	3850200	.	CL-05B09	1521334
	10(0)					
09B11	11(2)	06B11	3990900	.	DXA-U	1521310
	12(1)	07B24	1520100	.	A52	1521310
	13(1)	07B18	1530100	.	A53	1531310
	14(1)	07B16	4601707	.	GND1707	1521312
	15(0)		1530500	B	C53	1530500
07B14	16(2)	07B22	4601707	-NS	GND1707	4601707
02C35	17(1)		1526500	B	S52	1526502
07B13	18(2)	01C31	1530100	.	A53	1530140
04C30	19(1)		1536500	B	S53	1536502
06B20	20(2)	09B20	6910920	.	PRXAND/A	1525502
06B21	21(2)	09B21	4610100	.	GXAD/A	1522500
07B16	22(2)	07B31	4601707	.	GND1707	1522500
	23(1)	07B30	1531300	FF	D53	1531300
07B12	24(2)	01C30	1520100	.	A52	1520140
06B25	25(2)	09B25	4620100	.	GXAND/A	1522502
06B26	26(2)	09B26	6912720	.	PRXNAND/A	1525502
06B27	27(2)	09B27	6911760	.	PRXNAD/A	1525500
	28(1)	07B39	1521300	FF	D52	1521300
06B29	29(2)	09B29	6910420	.	PRXAD/A	1525500
07B23	30(2)	06B35	1531300	.	D53	1520500
07B22	31(2)	07B41	4601707	.	GND1707	1520502
	32(0)					
16B13	33(2)	19C24	1132100	.	FP13	1536506
09B34	34(2)	06B34	3991400	.	DXDL1-U	1520500
09B30	35(1)		1511300	.	D51	1520502
06B39	36(1)		1541300	.	D54	1530500
09B37	37(2)	06B37	3991900	.	DXDR1-U	1520502
08B19	38(1)		1522750	.	K52	1526502
07B28	39(2)	09B36	1521300	.	D52	1530502
07B41	40(1)		4601707	.	GND1707	1520500
07B31	41(2)	07B40	4601707	.	GND1707	1526504
	42(1)	31C24	1530300	.	B53	1536504
09B43	43(2)	06B43	7670300	.	SXB-U	1526504
	44(1)	31C28	1520300	.	B52	1526504
09B45	45(2)	06B45	7671300	.	SXFP/U	1526506
08B18	46(1)		1532750	.	K53	1536502
16B18	47(2)	19C26	1122100	.	FP12	1526506
	48(0)					
06B49	49(0)	08B49	0002000		4VB	0002000
	50(0)					
06B51	51(0)	08B51	0006000		8VB	0006000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
06B04	01(1)		1542500	.	G54	4500551
07B04	02(1)		1522500	.	G52	4500550
	03(0)					
07B06	04(1)		1532500	.	G53	4500551
07B01	05(1)		1525500	.	PR52	4500551
06B06	06(1)		1552500	.	G55	4500552
06B02	07(1)		1555500	.	PR55	1522751
05C12	08(2)	06B46	1552750	.	K55	1522751
06B01	09(1)		1545500	.	PR54	4500552
07B02	10(1)		1535500	.	PR53	4500551
	11(1)	08B16	4601708	.	GND1708	4500552
	12(1)	10C40	4004100	.	NE4	4000950
	13(1)	10C26	4005100	.	NE5	4000950
	14(1)	10C09	4006100	.	NE6	4000950
	15(1)	10C10	4007100	.	NE7	4000950
08B11	16(2)	08B38	4601708	-NS	GND1708	4601708
	17(1)	05D50	4500550	B	G5255	4500550
	18(1)	07B46	1532750	B	K53	1532750
	19(1)	07B38	1522750	B	K52	1522750
	20(1)	06B38	1542750	B	K54	1542750
	21(1)	05D39	6900340	B	PR5255	6900340
12B11	22(1)		4000950	B	E0407Z	4000950
	23(1)	05D40	6900320	B	PR4851	6900320
	24(1)	20B06	7670150	B	N(S/SXAPD)	7670150
	25(1)	09B38	1502750	B	K50	1502750
	26(1)	10B38	1482750	B	K48	1482750
10B46	27(1)		1492750	B	K49	1492750
	28(1)	05D44	4500500	B	G4851	4500500
11B38	29(2)	05D28	1462750	.	K46	7670152
	30(0)					
05D24	31(2)	20B08	7670171	.	(S/SXAPD/2)	7670152
	32(0)					
	33(0)					
12B34	34(2)	05C18	7670160	.	N(S/SXAPD/1)	7670152
	35(0)					
12B36	36(2)	05C19	3930500	.	NDIT	7670150
13B17	37(1)		6850680	.	N(PH6.N06)	7670150
08B16	38(1)		4601708	.	GND1708	4500502
09B01	39(1)		1505500	.	PR50	4500502
	40(1)	10B02	1495500	.	PR49	4500502
09B02	41(1)		1515500	.	PR51	1482751
09B46	42(2)	05D27	1512750	.	K51	1482751
10B01	43(2)	15C14	1485500	.	PR48	4500502
10B06	44(1)		1492500	.	G49	4500501
	45(0)					
10B04	46(1)		1482500	.	G48	4500500
09B06	47(1)		1512500	.	G51	4500502
	48(0)					
07B49	49(0)	09B49	0002000	.	4VB	0002000
09B04	50(1)		1502500	.	G50	4500501
07B51	51(0)	09B51	0006000	.	8VB	0006000

XDS

XEROX DATA SYSTEMS

DRAWING NO. - 134107-906 B
PROG-PNIND MODULE-09B
TYPE-PIN INDEX TYPE-

9

02/20/70

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	08B39	1505500	B	PR50	1505500
	02(1)	08B41	1515500	B	PR51	1515500
10B03	03(2)	07B03	3992400	.	DXS-U	1501312
	04(1)	08B50	1502500	B	G50	1502500
	05(0)		1500500	B	C50	1500500
	06(1)	08B47	1512500	B	G51	1512500
10B07	07(2)	07B07	3990400	.	DX-U	1501330
	08(0)					
07B09	09(2)	10B09	3850200	.	CL-05B09	1501334
	10(0)					
10B11	11(2)	07B11	3990900	.	DXA-U	1501310
12B15	12(2)	09B24	1500100	.	A50	1501310
12B17	13(2)	09B18	1510100	.	A51	1511310
	14(1)	09B16	4601709	.	GND1709	1501312
	15(0)		1510500	B	C51	1510500
09B14	16(2)	09B22	4601709	-NS	GND1709	4601709
02C45	17(1)		1506500	B	S50	1506502
09B13	18(2)	01C33	1510100	.	A51	1510140
10D30	19(1)		1516500	B	S51	1516502
07B20	20(2)	10B20	6910920	.	PRXAND/A	1505502
07B21	21(2)	10B21	4610100	.	GXAD/A	1502500
09B16	22(2)	09B31	4601709	.	GND1709	1502500
12B25	23(2)	09B30	1511300	FF	D51	1511300
09B12	24(2)	01C14	1500100	.	A50	1500140
07B25	25(2)	10B25	4620100	.	GXAND/A	1502502
07B26	26(2)	10B26	6912720	.	PRXNAND/A	1505502
07B27	27(2)	10B27	6911760	.	PRXNAD/A	1505500
12B30	28(2)	09B39	1501300	FF	D50	1501300
07B29	29(2)	10B29	6910420	.	PRXAD/A	1505500
09B23	30(2)	07B35	1511300	.	D51	1500500
09B22	31(2)	09B41	4601709	.	GND1709	1500502
	32(0)					
16B35	33(2)	19C28	1112100	.	FP11	1516506
10B34	34(2)	07B34	3991400	.	DXDL1-U	1500500
10B30	35(1)		1491300	.	D49	1500502
07B39	36(1)		1521300	.	D52	1510500
10B37	37(2)	07B37	3991900	.	DXDR1-U	1500502
08B25	38(1)		1502750	.	K50	1506502
09B28	39(2)	10B36	1501300	.	D50	1510502
09B41	40(1)		4601709	.	GND1709	1500500
09B31	41(2)	09B40	4601709	.	GND1709	1506504
	42(1)	31C25	1510300	.	B51	1516504
10B43	43(2)	07B43	7670300	.	SXB-U	1506504
	44(1)	31C10	1500300	.	B50	1506504
10B45	45(2)	07B45	7671300	.	SXFP/U	1506506
14B17	46(2)	08B42	1512750	.	K51	1516502
16B34	47(2)	19C34	1102100	.	FP10	1506506
	48(0)					
08B49	49(0)	10B49	0002000	4VB		0002010
	50(0)					
08B51	51(0)	10B51	0006000	8VB		0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08B40	01(1)	08B43	1485500	B	PR48	1485500
	02(1)		1495500	B	PR49	1495500
11B03	03(2)	09B03	3992400	.	DXS-U	1481312
	04(1)	08B46	1482500	B	G48	1482500
	05(0)		1480500	B	C48	1480500
	06(1)	08B44	1492500	B	G49	1492500
11B07	07(2)	09B07	3990400	.	DX-U	1481330
	08(0)					
09B09	09(2)	11B09	3850200	.	CL-05B09	1481334
	10(0)					
11B11	11(2)	09B11	3990900	.	DXA-U	1481310
12B12	12(2)	10B24	1480100	.	A48	1481310
12B14	13(2)	10B18	1490100	.	A49	1491310
	14(1)	10B16	4601710	.	GND1710	1481312
	15(0)		1490500	B	C49	1490500
10B14	16(2)	10B22	4601710	-NS	GND1710	4601710
02C33	17(1)		1486500	I	S48	1486500
10B13	18(2)	01C04	1490100	.	A49	1490140
	19(1)	02C17	1496500	I	S49	1496500
09B20	20(2)	11B20	6910920	.	PRXAND/A	1485502
09B21	21(2)	11B21	4610100	.	GXAD/A	1482500
10B16	22(2)	10B31	4601710	.	GND1710	1482500
12B24	23(2)	10B30	1491300	FF	D49	1491300
10B12	24(2)	01C02	1480100	.	A48	1480140
09B25	25(2)	11B25	4620100	.	GXAND/A	1482502
09B26	26(2)	11B26	6912720	.	PRXNAND/A	1485502
09B27	27(2)	11B27	6911760	.	PRXNAD/A	1485500
12B29	28(2)	10B39	1481300	FF	D48	1481300
09B29	29(2)	11B29	6910420	.	PRXAD/A	1485500
10B23	30(2)	09B35	1491300	.	D49	1480500
10B22	31(2)	10B41	4601710	.	GND1710	1480502
	32(0)					
16B33	33(2)	18C30	1092100	.	FP9	1496506
11B34	34(2)	09B34	3991400	.	DXDL1-U	1480500
11B23	35(1)		1471300	.	D47	1480502
09B39	36(1)		1501300	.	D50	1490500
11B37	37(2)	09B37	3991900	.	DXDR1-U	1480502
08B26	38(2)	15C08	1482750	.	K48	1486502
10B28	39(2)	11B36	1481300	.	D48	1490502
10B41	40(1)		4601710	.	GND1710	1480500
10B31	41(2)	10B40	4601710	.	GND1710	1486504
	42(1)	31C37	1490300	.	B49	1496504
23B28	43(2)	09B43	7670300	.	SXB-U	1486504
14B42	44(2)	16D33	1480300	.	B48	1486504
11B45	45(2)	09B45	7671300	.	SXFP/U	1486506
	46(1)	08B27	1492750	.	K49	1496500
16B37	47(2)	18C26	1082100	.	FP8	1486506
	48(0)					
09B49	49(0)	11B49	0002000		4VB	0002010
	50(0)					
09B51	51(0)	11B51	0006000		8VB	0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03829	1465500	B	PR46	1465500
	02(1)	05043	1475500	B	PR47	1475500
23B11	03(2)	10B03	3992400	.	DXS-U	1461312
	04(1)	03B35	1462500	B	G46	1462500
	05(0)		1460500	B	C46	1460500
	06(1)	05046	1472500	B	G47	1472500
23B15	07(2)	10B07	3990400	.	DX-U	1461330
	08(0)					
10B09	09(1)		3850200	.	CL-05B09	1461334
	10(0)					
13B10	11(2)	10B11	3990900	.	DXA-U	1461310
11B13	12(2)	01C06	1470100	.	A47	1461310
12B13	13(2)	11B12	1470100	.	A47	1471310
	14(1)	11B16	4601711	.	GND1711	1461312
	15(0)		1470500	B	C47	1470500
11B14	16(2)	11B22	4601711	-NS	GND1711	4601711
	17(1)	15C28	1466500	I	S46	1466501
11B24	18(2)	13B18	1470137	.	A47-1	1470140
02C50	19(1)		1476500	I	S47	1476500
10B20	20(2)	28B45	6910920	.	PRXAND/A	1465502
10B21	21(2)	28B26	4610100	.	GXAD/A	1462500
11B16	22(2)	11B31	4601711	.	GND1711	1462500
12B23	23(2)	10B35	1471300	FF	D47	1471300
	24(1)	11B18	1470137	.	A47-1	1470145
10B25	25(2)	27B36	4620100	.	GXAND/A	1462502
10B26	26(2)	27B45	6912720	.	PRXNAND/A	1465502
10B27	27(2)	28B44	6911760	.	PRXNAD/A	1465500
12B26	28(2)	11B30	1461300	FF	D46	1461300
10B29	29(2)	28B46	6910420	.	PRXAD/A	1465500
11B28	30(2)	11B35	1461300	.	D46	1460500
11B22	31(2)	11B41	4601711	.	GND1711	1460502
	32(0)					
15B37	33(2)	08D47	1002100	.	FP0	1476506
20B41	34(2)	10B34	3991400	.	DXDL1-U	1460500
11B30	35(2)	11B39	1461300	.	D46	1460502
10B39	36(1)		1481300	.	D48	1470500
20B36	37(2)	10B37	3991900	.	DXDR1-U	1460502
13B02	38(2)	08B29	1462750	.	K46	1466501
11B35	39(2)	17B22	1461300	.	D46	1470502
11B41	40(2)	11B42	4601711	.	GND1711	1460500
11B31	41(2)	11B40	4601711	.	GND1711	1466504
11B40	42(2)	11B44	4601711	.	GND1711	1476504
	43(0)					
11B42	44(1)		4601711	.	GND1711	1466504
13B44	45(2)	10B45	7671300	.	SXFP/U	1466506
05D26	46(1)		1472750	.	K47	1476502
15B47	47(2)	03B30	1476500	.	S47	1466506
	48(0)					
10B49	49(0)	12B49	0002000		4VB	0002010
	50(0)					
10B51	51(0)	12B51	0006000		8VB	0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
12A02	02(1)	08C40	4000100	C	NE0	
12A03	03(1)	11C07	5980100	C	NMWN	
12A04	04(1)	13B04	1470104	C	NA47	1470104
12A05	05(1)	13C12	5978100	C	NMUL	
12A06	06(1)	08C10	4003100	C	NE3	
12A07	07(1)	08C09	4002100	C	NE2	
12A08	08(1)	15B24	4001100	C	NE1	
12A09	09(1)	16B09	7592000	C	SW2	
12A10	10(1)	17B23	4001000	C	E1	
12A11	11(1)	08B22	4000950	C	E0407Z	
12A12	12(1)	10B12	1480100	C	A48	
12A13	13(1)	11B13	1470100	C	A47	1470100
12A14	14(1)	10B13	1490100	C	A49	
12A15	15(1)	09B12	1500100	C	A50	
	16(0)					
12A17	17(1)	09B13	1510100	C	A51	
12A18	18(1)	03C07	6850102	C	NPH1	
12A19	19(1)	13B19	3006400	C	NA5255Z	
12A20	20(1)	17B50	4000000	C	E0	
12A21	21(1)	17B01	6850100	C	PH1	
12A22	22(1)	16B22	7591000	C	SW1	
12A23	23(1)	11B23	1471300	C	D47	1471300
12A24	24(1)	10B23	1491300	C	D49	
12A25	25(1)	09B23	1511300	C	D51	
12A26	26(1)	11B28	1461300	C	D46	1461300
12A27	27(1)	14C15	7680100	C	SZL	
12A28	28(1)	09C15	7690000	C	SZU	
12A29	29(1)	10B28	1481300	C	D48	
12A30	30(1)	09B28	1501300	C	D50	
12A31	31(1)	13B31	7503000	C	NS0031XFP	
	32(0)					
12A33	33(1)	16B23	5980000	C	MWN	
12A34	34(1)	08B34	7670160	C	N(S/SXAPD/1)	
12A35	35(1)	01C05	3005000	C	A4851Z	
12A36	36(1)	08B36	3930500	C	NDIT	
12A37	37(1)	05D34	3930400	C	DIT	
12A38	38(1)	16B38	4380000	C	FPR	
12A39	39(1)	01C35	6850760	C	(PH7.DIV.A47)	
12A40	40(1)	12C34	4491000	C	FXD	
12A41	41(1)	13C08	5978000	C	MUL	
12A42	42(1)	02C46	3301700	C	NAXS	
12A43	43(1)	07C40	4300100	C	NF0	
12A44	44(1)	12C15	3970000	C	DPP	
12A45	45(1)	10C11	4307100	C	NF7	
12A46	46(1)	15B50	4300000	C	F0	
12A47	47(1)	16B44	7470000	C	RTZ	
	48(0)					
11B49	49(0)	13B49	0002000		4VB	0002010
12A50	50(1)	18B23	6850502	C	PH5	
11B51	51(0)	13B51	0006000		8VB	0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22B06	01(2)	05D31	6850675	.	(PH6.N06)	6850680
20B14	02(2)	11B38	1462750	.	K46	1462755
03C05	03(2)	14B01	3006000	.	A5255Z	3006400
12B04	04(2)	01C07	1470104	.	NA47	1470137
	05(1)	03B33	1462755	I	NK46	1462755
	06(0)					
	07(0)					
	08(0)					
13B12	09(2)	14B07	3991050	.	N0XA	3991000
13B11	10(2)	11B11	3990900	I	DXA-U	3991000
	11(1)	13B10	3990900	I	DXA-U	3990900
30B12	12(2)	13B09	3991050	.	N0XA	3990900
22B13	13(2)	13B29	3503500	.	NB0FP	3503200
	14(0)					
13B27	15(1)		3503000	I	BXFP/L	3503200
	16(0)					
22B17	17(2)	08B37	6850680	I	N(PH6.N06)	6850680
11B18	18(2)	14B19	1470137	I	A47-1	1470137
12B19	19(1)		3006400	I	NA5255Z	3006400
	20(0)					
	21(0)					
	22(0)					
22B22	23(2)	13B24	3503600	.	NB0FPU	3503400
13B23	24(2)	14B23	3503600	.	NB0FPU	3503300
	25(1)	13B26	3503300	I	BXFP/U	3503400
13B25	26(2)	12C10	3503300	I	BXFP/U	3503300
13B28	27(2)	13B15	3503000	I	BXFP/L	3503000
12C44	28(2)	13B27	3503000	I	BXFP/L	3503100
13B13	29(2)	14B27	3503500	.	NB0FP	3503000
	30(0)					
12B31	31(2)	13B37	7503000	.	NS0031XFP	7671000
	32(0)					
	33(0)					
	34(1)	13B35	3303500	I	AXSL4-A	3303600
13B34	35(2)	16C10	3303500	I	AXSL4-A	3303500
	36(1)	13B41	7671100	I	SXFP/A	7671100
13B31	37(2)	13B38	7503000	.	NS0031XFP	7671100
13B37	38(2)	14B37	7503000	.	NS0031XFP	7671200
22B38	39(2)	13B40	3303700	.	NAXSL4	3303500
13B39	40(2)	14C12	3303700	.	NAXSL4	3303600
13B36	41(2)	14D45	7671100	I	SXFP/A	7671200
	42(0)					
	43(0)					
13B46	44(2)	11B45	7671300	I	SXFP/U	7671400
	45(1)	13B46	7671300	I	SXFP/U	7671300
13B45	46(2)	13B44	7671300	I	SXFP/U	7671500
	47(1)	13D45	7671000	I	SXFP/4	7671000
	48(0)					
12B49	49(0)	14B49	0002000	.	4VB	0002010
29D24	50(1)		7504000	.	NS4607XFP	7671000
12B51	51(0)	14B51	0006000	.	8VB	0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
13803	01(1)		3006000	T	A5255Z	
	02(1)	16802	1536500	T	S53	
	03(1)	15803	1056500	T	S5	
	04(1)	16803	1136500	T	S13	
20802	05(1)		4400850	T	NFPXSL	
20812	06(1)		4401200	T	NFPXSU	
13809	07(1)		3991050	T	NDXA	
	08(1)	15808	1066500	T	S6	
	09(1)	16808	1146500	T	S14	
	10(1)	15810	1076500	T	S7	
	11(1)	16811	1556500	T	S55	
	12(1)	16810	1156500	T	S15	
	13(1)	16812	1546500	T	S54	
23814	14(1)		7670120	T	(S/SXAMD/2)	
20821	15(1)		4400550	T	NFPXMISC	
	16(0)					
	17(1)	09846	1512750	T	K51	
23829	18(1)		7670190	T	NSXB	
13818	19(1)		1470137	T	A47-1	
	20(1)	15820	1046500	T	S4	
	21(1)	16820	1126500	T	S12	
	22(1)	16821	1526500	T	S52	
13824	23(1)		3503600	T	NBFFPU	
16824	24(1)		1496500	T	S49	
	25(1)	15825	1016500	T	S1	
	26(1)	16825	1096500	T	S9	
13829	27(1)		3503500	T	NBFFP	
	28(1)	15829	4400900	T	FPXSU	
	29(1)	15828	4400300	T	FPXMISC	
	30(1)	15831	4400600	T	FPXSL	
	31(1)	15830	4400000	T	NFPX	
	32(0)					
20838	33(1)		3991550	T	NDXDL1	
20840	34(1)		4399900	T	FPX	
20850	35(1)		3992050	T	NDXDR1	
	36(1)	16836	1516500	T	S51	
13838	37(1)		7503000	T	NS0031XFP	
	38(1)	16839	1116500	T	S11	
	39(1)	15839	1036500	T	S3	
	40(1)	15840	1026500	T	S2	
	41(1)	16840	1106500	T	S10	
	42(1)	10844	1480300	T	B48	
	43(1)	16843	1506500	T	S50	
	44(1)	16846	1086500	T	S8	
	45(1)	16847	1486500	T	S48	
	46(1)	15846	1006500	T	S0	
	47(1)	15847	1476500	T	S47	
	48(0)					
13849	49(0)	15849	0002000	4VB		0002010
	50(0)					
13851	51(0)	15851	0006000	8VB		0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	12C25	4305000	.	F5	1052102
	02(1)	10C25	4005000	.	E5	1052102
14B03	03(2)	19C20	1056500	.	S5	1052100
	04(0)					
	05(1)	12C19	4306000	.	F6	1062102
	06(0)					
	07(0)					
14B08	08(2)	14C04	1066500	.	S6	1062100
	09(1)	12C05	4307000	.	F7	1072102
14B10	10(2)	10C07	1076500	.	S7	1072100
	11(1)	10C05	4007000	.	E7	1072102
	12(1)	10C19	4006000	.	E6	1062102
32B06	13(2)	17C30	1052100	B	FP5	1052100
32B07	14(2)	14C29	1062100	B	FP6	1062100
32B08	15(2)	14C27	1072100	B	FP7	1072100
	16(1)	15B17	4601715	-NS	GND1715	4601715
15B16	17(2)	15B27	4601715	.	GND1715	1042104
32B05	18(2)	17C26	1042100	B	FP4	1042100
	19(0)					
14B20	20(2)	19C22	1046500	.	S4	1042100
	21(1)	10C33	4004000	.	E4	1042102
	22(1)	12C33	4304000	.	F4	1042102
	23(1)	07C25	4301000	.	F1	1012102
12B08	24(2)	08C26	4001100	.	NE1	1012102
14B25	25(2)	14C17	1016500	.	S1	1012100
	26(0)					
15B17	27(1)		4601715	.	GND1715	1002104
14B29	28(2)	16B28	4400300	.	FPXMISC	1002102
14B28	29(2)	16B29	4400900	.	FPXSU	1002102
14B31	30(2)	16B30	4400000	.	NFPX	1002100
14B30	31(2)	16B31	4400600	.	FPXSL	1002100
	32(0)					
32B02	33(2)	22C23	1012100	B	FP1	1012100
22C11	34(2)	14C34	1022100	B	FP2	1022100
32B04	35(2)	22C13	1032100	B	FP3	1032100
	36(1)	08C05	4003000	.	E3	1032102
14C31	37(2)	11B33	1002100	B	FP0	1002100
	38(1)	07C05	4303000	.	F3	1032102
14B39	39(2)	13C03	1036500	.	S3	1032100
14B40	40(2)	08C06	1026500	.	S2	1022100
	41(0)					
	42(0)					
22B43	43(2)	08C19	4002000	.	E2	1022102
	44(1)	08C08	4302000	.	F2	1022102
	45(0)					
14B46	46(2)	14C05	1006500	.	S0	1002100
14B47	47(2)	11B47	1476500	.	S47	1002102
	48(0)					
14B49	49(0)	16B49	0002000	.	4VB	0002010
12B46	50(2)	07C33	4300000	.	F0	1002102
14B51	51(0)	16B51	0006000	.	8VB	0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22B11	01(2)	23D24	5810000	. M1		1132102
14B02	02(2)	02C14	1536500	. S53		1132102
14B04	03(2)	19C14	1136500	. S13		1132100
	04(0)					
22B10	05(2)	19D24	5810200	. M2		1142102
	06(0)					
	07(0)					
14B09	08(2)	16C13	1146500	. S14		1142100
12B09	09(1)		7592000	. SW2		1152102
14B12	10(2)	23C07	1156500	. S15		1152100
14B11	11(2)	04C07	1556500	. S55		1152102
14B13	12(2)	04C08	1546500	. S54		1142102
32B14	13(2)	07B33	1132100	B FP13		1132100
32B15	14(2)	06B47	1142100	B FP14		1142100
32B17	15(2)	06B33	1152100	B FP15		1152100
	16(1)	16B17	4601716	-NS GND1716		4601716
16B16	17(2)	16B27	4601716	. GND1716		1122104
32B13	18(2)	07B47	1122100	B FP12		1122100
	19(0)					
14B21	20(2)	16C25	1126500	. S12		1122100
14B22	21(2)	04C31	1526500	. S52		1122102
12B22	22(1)		7591000	. SW1		1122102
12B33	23(2)	11C06	5980000	. MWN		1092102
02C09	24(2)	14B24	1496500	. S49		1092102
14B26	25(2)	19C17	1096500	. S9		1092100
	26(0)					
16B17	27(1)		4601716	. GND1716		1102104
15B28	28(2)	17B28	4400300	. FPXMISC		1102102
15B29	29(2)	17B29	4400900	. FPXSU		1102102
15B30	30(2)	17B30	4400000	. NFPX		1102100
15B31	31(2)	17B31	4400600	. FPXSL		1102100
	32(0)					
32B10	33(2)	10B33	1092100	B FP9		1092100
32B11	34(2)	09B47	1102100	B FP10		1102100
32B12	35(2)	09B33	1112100	B FP11		1112100
14B36	36(2)	02C21	1516500	. S51		1112102
32B09	37(2)	10B47	1082100	B FP8		1082100
12B38	38(2)	19D36	4380000	. FPR		1112102
14B38	39(2)	14C21	1116500	. S11		1112100
14B41	40(2)	14C19	1106500	. S10		1102100
	41(0)					
	42(0)					
14B43	43(2)	02C19	1506500	. S50		1102102
12B47	44(1)		7470000	. RTZ		1102102
	45(0)					
14B44	46(2)	19C05	1086500	. S8		1082100
14B45	47(2)	02C05	1486500	. S48		1082102
	48(0)					
15B49	49(0)	17B49	0002000	. 4VB		0002010
27B01	50(2)	18C20	7590100	. NSW0		1082102
15B51	51(0)	17B51	0006000	. 8VB		0006010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
12B21	01(2)	21C19	6850100	.	PH1	1212102
09C30	02(2)	19B01	1616500	.	S61	1212102
19B04	03(2)	21C13	1216500	.	S21	1212100
	04(0)					
27B08	05(2)	21C06	6850200	.	PH2	1222102
	06(0)					
	07(0)					
19B07	08(2)	23C04	1226500	.	S22	1222100
08C18	09(1)		6850300	.	PH3	1232102
19B09	10(2)	23C36	1236500	.	S23	1232100
09C07	11(2)	19B13	1636500	.	S63	1232102
09C08	12(2)	19B14	1626500	.	S62	1222102
32B23	13(2)	02B33	1212100	B	FP21	1212100
32B24	14(2)	01B47	1222100	B	FP22	1222100
32B25	15(2)	01B33	1232100	B	FP23	1232100
	16(1)	17B17	4601717	-NS	GND1717	4601717
17B16	17(2)	17B27	4601717	.	GND1717	1202104
32B22	18(2)	02B47	1202100	B	FP20	1202100
	19(0)					
19B18	20(2)	21C25	1206500	.	S20	1202100
19B19	21(2)	04C22	1606500	.	S60	1202102
11B39	22(1)		1461300	.	D46	1202102
12B10	23(2)	08C25	4001000	.	E1	1172102
19B22	24(2)	04C17	1576500	.	S57	1172102
19B23	25(2)	23C09	1176500	.	S17	1172100
	26(0)					
17B17	27(1)		4601717	.	GND1717	1162104
16B28	28(2)	18B28	4400300	.	FPXMISC	1162102
16B29	29(2)	18B29	4400900	.	FPXSU	1162102
16B30	30(2)	18B30	4400000	.	NFPX	1162100
16B31	31(2)	18B31	4400600	.	FPXSL	1162100
	32(0)					
32B19	33(2)	05B33	1172100	B	FP17	1172100
32B20	34(2)	04B47	1182100	B	FP18	1182100
32B21	35(2)	04B33	1192100	B	FP19	1192100
19B35	36(2)	04C27	1596500	.	S59	1192102
32B18	37(2)	05B47	1162100	B	FP16	1162100
	38(0)					
19B39	39(2)	21C24	1196500	.	S19	1192100
19B41	40(2)	23C19	1186500	.	S18	1182100
	41(0)					
	42(0)					
19B43	43(2)	02C29	1586500	.	S58	1182102
	44(0)					
	45(0)					
19B44	46(2)	23C05	1166500	.	S16	1162100
19B45	47(2)	04C05	1566500	.	S56	1162102
	48(0)					
16B49	49(0)	18B49	0002000	.	4VB	0002020
12B20	50(2)	08C33	4000000	.	E0	1162102
16B51	51(0)	18B51	0006000	.	8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22B02	01(2)	31B19	6850900	.	PH9	1292102
19B03	02(2)	09C14	1696500	.	S69	1292102
19B02	03(2)	22C28	1296500	.	S29	1292100
	04(0)					
31B06	05(1)		6851000	.	PH10	1302102
	06(0)					
	07(0)					
19B08	08(2)	18C02	1306500	.	S30	1302100
22B08	09(2)	29B14	4390050	.	FPRR	1312102
19B11	10(2)	18C04	1316500	.	S31	1312100
19B10	11(2)	14C07	1716500	.	S71	1312102
19B12	12(2)	14C08	1706500	.	S70	1302102
22C42	13(2)	32B31	1292100	B	FP29	1292100
22C30	14(2)	32B33	1302100	B	FP30	1302100
22C31	15(2)	32B34	1312100	B	FP31	1312100
	16(1)	18B17	4601718	-NS	GND1718	4601718
18B16	17(2)	18B27	4601718	.	GND1718	1282104
22C40	18(2)	32B30	1282100	B	FP28	1282100
	19(0)					
19B21	20(2)	22C26	1286500	.	S28	1282100
19B20	21(2)	09C22	1686500	.	S68	1282102
22B21	22(2)	15C21	6850802	.	PH8	1282102
12B50	23(1)		6850502	.	PH5	1252102
19B25	24(2)	09C17	1656500	.	S65	1252102
19B24	25(2)	28C09	1256500	.	S25	1252100
	26(0)					
18B17	27(1)		4601718	.	GND1718	1242104
17B28	28(2)	20B28	4400300	.	FPXMISC	1242102
17B29	29(2)	20B15	4400900	.	FPXSU	1242102
17B30	30(2)	20B34	4400000	.	NFPX	1242100
17B31	31(2)	20B19	4400600	.	FPXSL	1242100
	32(0)					
28C30	33(2)	32B27	1252100	B	FP25	1252100
28C34	34(2)	32B28	1262100	B	FP26	1262100
28C28	35(2)	32B29	1272100	B	FP27	1272100
19B36	36(2)	09C27	1676500	.	S67	1272102
29C26	37(2)	32B26	1242100	B	FP24	1242100
22B36	38(1)		6850702	.	PH7	1272102
19B38	39(2)	26C24	1276500	.	S27	1272100
19B40	40(2)	28C19	1266500	.	S26	1262100
	41(0)					
	42(0)					
19B42	43(2)	09C45	1666500	.	S66	1262102
22B44	44(1)		6850602	.	PH6	1262102
	45(0)					
19B47	46(2)	28C05	1246500	.	S24	1242100
19B46	47(2)	09C05	1646500	.	S64	1242102
	48(0)					
17B49	49(0)	19B49	0002000	.	4VB	0002020
22B50	50(2)	31B27	6850400	.	PH4	1242102
17B51	51(0)	19B51	0006000	.	8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
17B02	01(1)		1616500	T	S61	
	02(1)	18B03	1296500	T	S29	
	03(1)	18B02	1696500	T	S69	
	04(1)	17B03	1216500	T	S21	
	05(1)	29B01	7520320	T	NSDIS-1	
	06(1)	28B02	4610030	T	GXAD	
	07(1)	17B08	1226500	T	S22	
	08(1)	18B08	1306500	T	S30	
	09(1)	17B10	1236500	T	S23	
	10(1)	18B11	1716500	T	S71	
	11(1)	18B10	1316500	T	S31	
	12(1)	18B12	1706500	T	S70	
17B11	13(1)		1636500	T	S63	
17B12	14(1)		1626500	T	S62	
27B09	15(1)		7670110	T	N(S/SXAMD/1)	
	16(0)					
27B19	17(1)		7590600	T	(SW0.K46)	
	18(1)	17B20	1206500	T	S20	
	19(1)	17B21	1606500	T	S60	
	20(1)	18B21	1686500	T	S68	
	21(1)	18B20	1286500	T	S28	
	22(1)	17B24	1576500	T	S57	
	23(1)	17B25	1176500	T	S17	
	24(1)	18B25	1256500	T	S25	
	25(1)	18B24	1656500	T	S65	
	26(1)	27B20	1462750	T	K46	
	27(0)					
29B33	28(1)		7520220	T	NSDIS	
	29(1)	30B33	7520000	T	SDIS	
	30(0)					
	31(1)	28B31	7520500	T	N(SDIS.NKSXA.NKSXD)	
	32(0)					
23B33	33(1)		3992600	T	NDXS	
	34(1)	27B50	6912430	T	PRXNAND	
	35(1)	17B36	1596500	T	S59	
	36(1)	18B36	1676500	T	S67	
	37(1)	29B38	6911620	T	NPRXNAD	
	38(1)	18B39	1276500	T	S27	
	39(1)	17B39	1196500	T	S19	
	40(1)	18B40	1266500	T	S26	
	41(1)	17B40	1186500	T	S18	
	42(1)	18B43	1666500	T	S66	
	43(1)	17B43	1586500	T	S58	
	44(1)	17B46	1166500	T	S16	
	45(1)	17B47	1566500	T	S56	
	46(1)	18B47	1646500	T	S64	
	47(1)	18B46	1246500	T	S24	
	48(0)					
18B49	49(0)	20B49	0002000		4VB	0002020
23B50	50(1)		3990550	T	NDX	
18B51	51(0)	20B51	0006000		8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22B01	01(2)	20B03	4400850	.	NFPXSL	4400800
20B03	02(2)	14B05	4400850	.	NFPXSL	4400700
20B01	03(2)	20B02	4400850	.	NFPXSL	4400600
22B04	04(2)	20B22	4400550	.	NFPXMISC	4400500
20B17	05(1)		4400600	I	FPXSL	4400700
08B24	06(2)	23B08	7670150	I	N(S/SXAPD)	7670154
	07(0)					
08B31	08(2)	32C18	7670171	.	(S/SXAPD/2)	7670154
22B09	09(2)	20B13	4401200	.	NFPXSU	4401100
20B11	10(1)		4400900	I	FPXSU	4401100
20B15	11(2)	20B10	4400900	I	FPXSU	4401000
20B13	12(2)	14B06	4401200	.	NFPXSU	4401000
20B09	13(2)	20B12	4401200	.	NFPXSU	4400900
27B20	14(2)	13B02	1462750	.	K46	7670154
18B29	15(2)	20B11	4400900	I	FPXSU	4400900
	16(0)					
20B19	17(2)	20B05	4400600	I	FPXSL	4400800
20B27	18(1)		4400300	I	FPXMISC	4400500
18B31	19(2)	20B17	4400600	I	FPXSL	4400600
	20(0)					
20B22	21(2)	14B15	4400550	.	NFPXMISC	4400400
20B04	22(2)	20B21	4400550	.	NFPXMISC	4400300
22B23	23(2)	20B24	4399900	.	FPX	4400200
20B23	24(2)	20B40	4399900	.	FPX	4400100
20B26	25(1)		4400000	I	NFPX	4400200
20B34	26(2)	20B25	4400000	I	NFPX	4400100
20B28	27(2)	20B18	4400300	I	FPXMISC	4400300
18B28	28(2)	20B27	4400300	I	FPXMISC	4400400
	29(0)					
	30(0)					
	31(0)					
	32(0)					
	33(0)					
18B30	34(2)	20B26	4400000	I	NFPX	4400000
	35(1)	20B41	3991400	I	DXDL1-U	3991400
20B47	36(2)	11B37	3991900	I	DXDR1-U	3992000
22B37	37(2)	20B50	3992050	.	NDXDR1	3992000
20B39	38(2)	14B33	3991550	.	NDXDL1	3991500
23B04	39(2)	20B38	3991550	.	NDXDL1	3991400
20B24	40(2)	14B34	4399900	.	FPX	4400000
20B35	41(2)	11B34	3991400	I	DXDL1-U	3991500
	42(0)					
	43(0)					
20B46	44(2)	20B45	3991600	I	DXDR1-L	3991700
20B44	45(2)	31D37	3991600	I	DXDR1-L	3991600
	46(1)	20B44	3991600	I	DXDR1-L	3991800
	47(1)	20B36	3991900	I	DXDR1-U	3991900
	48(0)					
19B49	49(0)	21B49	0002000	.	4VB	0002020
20B37	50(2)	14B35	3992050	.	NDXDR1	3991600
19B51	51(0)	21B51	0006000	.	8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
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	15(0)					
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	28(0)					
	29(0)					
	30(0)					
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	32(0)					
	33(0)					
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	36(0)					
	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
20849	49(0)	22849	0002000	4VB		0002020
	50(0)					
20851	51(0)	22851	0006000	8VB		0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22A01	01(1)	20B01	4400850	C	NFPXSL	
22A02	02(1)	18B01	6850900	C	PH9	
22A03	03(1)	27B01	7590100	C	NSW0	
22A04	04(1)	20B04	4400550	C	NFPXMISC	
27B05	05(1)	22A05	1462760	C	K46-1	
22A06	06(1)	13B01	6850675	C	(PH6.N06)	
	07(0)					
22A08	08(1)	18B09	4390050	C	FPRR	
22A09	09(1)	20B09	4401200	C	NFPXSU	
22A10	10(1)	16B05	5810200	C	M2	
22A11	11(1)	16B01	5810000	C	M1	
22A12	12(1)	15C12	3501500	C	NBXBL1	
22A13	13(1)	13B13	3503500	C	NBXFP	
22A14	14(1)	23B14	7670120	C	(S/SXAMD/2)	
22A15	15(1)	10C29	4090000	C	EX	
	16(0)					
22A17	17(1)	13B17	6850680	C	N(PH6.N06)	
22A18	18(1)	10D45	6851060	C	(PH10.NFPRD)	
	19(0)					
22A20	20(1)	22C35	6850860	C	(PH8.DIV.SW1)	
22A21	21(1)	18B22	6850802	C	PH8	
22A22	22(1)	13B23	3503600	C	NBXFPU	
22A23	23(1)	20B23	4399900	C	FPX	
	24(0)					
22A25	25(1)	10C35	4094000	C	EXNE	
	26(0)					
	27(0)					
22A28	28(1)	15C50	3204000	C	NAX	
	29(0)					
22A30	30(1)	21C07	6850202	C	NPH2	
	31(0)					
	32(0)					
22A33	33(1)	12C04	4322000	C	FDC7	
22A34	34(1)	08C23	4081000	C	EUC3	
22A35	35(1)	23B17	6507000	C	07	
22A36	36(1)	18B38	6850702	C	PH7	
22A37	37(1)	20B37	3992050	C	NDXDR1	
22A38	38(1)	13B39	3303700	C	NAXSL4	
22A39	39(1)	23B01	6507100	C	N07	
22A40	40(1)	10C23	4082000	C	EUC7	
22A41	41(1)	23D33	4380100	C	NFPR	
22A42	42(1)	07C04	4321000	C	FDC3	
22A43	43(1)	15B43	4002000	C	E2	
22A44	44(1)	18B44	6850602	C	PH6	
22A45	45(1)	10C04	4022000	C	EDC7	
22A46	46(1)	08C04	4021000	C	EDC3	
	47(0)					
	48(0)					
21B49	49(0)	23B49	0002000		4VB	0002020
22A50	50(1)	18B50	6850400	C	PH4	
21B51	51(0)	23B51	0006000		8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22B39	01(2)	32B43	6507100	.	NO7	6507000
23B03	02(2)	23B04	3991550	.	NDXDL1	3991300
26B20	03(2)	23B02	3991550	.	NDXDL1	3991200
23B02	04(2)	20B39	3991550	.	NDXDL1	3991100
	05(1)	23B19	3991100	I	DXDL1-L	3991300
	06(1)	27B10	7670100	I	N(S/SXAMD)	7670102
	07(0)					
20B06	08(2)	31B36	7670150	.	N(S/SXAPD)	7670102
29B06	09(2)	23B29	7670190	.	NSXB	7670320
	10(1)	23B28	7670300	I	SXB-U	7670320
23B34	11(2)	11B03	3992400	I	DXS-U	3992500
26B15	12(2)	23B33	3992600	.	NDXS	3992500
26B17	13(2)	23B50	3990550	.	NDX	3990500
22B14	14(2)	14B14	7670120	.	(S/SXAMD/2)	7670102
23B47	15(2)	11B07	3990400	I	DX-U	3990500
	16(0)					
22B35	17(1)		6507000	I	07	6507000
23B19	18(2)	31D34	3991100	I	DXDL1-L	3991100
23B05	19(2)	23B18	3991100	I	DXDL1-L	3991200
	20(0)					
	21(0)					
	22(0)					
	23(0)					
	24(0)					
23B26	25(2)	23B27	7670200	I	SXB-L	7670220
	26(1)	23B25	7670200	I	SXB-L	7670200
23B25	27(2)	31D43	7670200	I	SXB-L	7670240
23B10	28(2)	10B43	7670300	I	SXB-U	7670300
23B09	29(2)	14B18	7670190	.	NSXB	7670200
23B37	30(2)	31B28	6850402	.	NPH4	3990200
	31(0)					
	32(0)					
23B12	33(2)	19B33	3992600	.	NDXS	3992100
	34(1)	23B11	3992400	I	DXS-U	3992400
23B36	35(2)	23B41	3992100	I	DXS/L	3992300
	36(1)	23B35	3992100	I	DXS/L	3992100
23B39	37(2)	23B30	6850402	.	NPH4	3992100
23B42	38(2)	23B39	6850402	.	NPH4	3992200
23B38	39(2)	23B37	6850402	.	NPH4	3992300
	40(0)					
23B35	41(2)	31D03	3992100	I	DXS/L	3992200
23B43	42(2)	23B38	6850402	.	NPH4	3990100
	43(1)	23B42	6850402	.	NPH4	3990000
23B46	44(2)	23B45	3990000	I	DX/L	3990100
23B44	45(2)	31D07	3990000	I	DX/L	3990000
	46(1)	23B44	3990000	I	DX/L	3990200
	47(1)	23B15	3990400	I	DX-U	3990400
	48(0)					
22B49	49(0)	24B49	0002000		4VB	0002020
23B13	50(2)	19B50	3990550	.	NDX	3990000
22B51	51(0)	24B51	0006000		8VB	0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
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	45(0)					
	46(0)					
	47(0)					
	48(0)					
23849	49(0)	25849	0002000	4VB		0002020
	50(0)					
23851	51(0)	25851	0006000	8VB		0006020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
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	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
24849	49(0)	26849	0002000	4VB		0002030
24851	50(0)					
24851	51(0)	26851	0006000	8VB		0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
26A01	01(1)	28C01	3300400	C	NAXFP	
	02(0)					
26A03	03(1)	31B04	7670020	C	NSXADD	
26A04	04(1)	30B07	5600200	C	NKSXB	
26A05	05(1)	30B08	5600300	C	NKSXD	
26A06	06(1)	31B06	6851000	C	PH10	
26A07	07(1)	29B08	3931000	C	DIV	
26A08	08(1)	27B08	6850200	C	PH2	
26A09	09(1)	27B09	7670110	C	N(S/SXAMD/1)	
26A10	10(1)	28B09	4375000	C	FPDIS	
26A11	11(1)	30C07	6850902	C	NPH9	
26A12	12(1)	28B12	5600000	C	NKSXA	
26A13	13(1)	31B13	7660700	C	N(S/SXA+S/SXD)	
26A14	14(1)	30B09	3991050	C	NDXA	
26A15	15(1)	23B12	3992600	C	NDXS	
	16(0)					
26A17	17(1)	23B13	3990550	C	NDX	
26A18	18(1)	30C36	3003000	C	A2831XB	
26A19	19(1)	28C02	3305700	C	NAXSR2	
26A20	20(1)	23B03	3991550	C	NDXD1	
26A21	21(1)	28C40	6506000	C	06	
26A22	22(1)	28C12	3306600	C	NAXSR4	
26A23	23(1)	30B04	3502500	C	NBXBL2	
26A24	24(1)	31B24	7672200	C	N(S/SXMA+S/SXMD)	
26A25	25(1)	25C24	1650300	C	B65	
26A26	26(1)	28C47	3302800	C	NAXSL1	
31B07	27(1)	26A27	6851002	C	NPH10	
26A28	28(1)	30B40	5600100	C	KSXB	
26A29	29(1)	15C13	3499000	C	NBX	
26A30	30(1)	10C34	4091000	C	EXFM64	
26A31	31(1)	10C15	4095000	C	EXNFM64	
	32(0)					
26A33	33(1)	32B35	3800000	C	N(S/CC1/FP)	
26A34	34(1)	31B35	7660800	C	N(S/SXA+S/SXMD)	
26A35	35(1)	31B47	6850300	C	PH3	
26A36	36(1)	32B36	3801000	C	N(S/CC2/FP)	
26A37	37(1)	32B37	4450000	C	FS	
26A38	38(1)	32B38	4498000	C	NFZ	
32B39	39(1)	26A39	4349900	C	FNF	
	40(0)					
26A41	41(1)	32B41	6502100	C	NO2	
26A42	42(1)	31B42	7672100	C	N(S/SXMA+S/SXD)	
26A43	43(1)	20C23	6506100	C	NO6	
26A44	44(1)	32B44	7480000	C	N(S/RW/FP)	
26A45	45(1)	32B45	4390400	C	NFPRR-1	
26A46	46(1)	12C18	4496000	C	FXNA	
	47(0)					
	48(0)					
25B49	49(0)	27B49	0002000		4VB	0002030
	50(0)					
25B51	51(0)	27B51	0006000		8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
22B03	00(0)					
	01(2)	16B50	7590100	.	NSW0	7590800
	02(0)					
	03(0)					
	04(0)					
	05(1)	22B05	1462760	B	K46-1	1462760
	06(1)	14C50	6850250	B	(PH2.A0)	6850250
	07(0)					
26B08	08(2)	17B05	6850200	.	PH2	6850250
26B09	09(2)	19B15	7670110	.	N(S/SXAMD/1)	7670100
23B06	10(2)	31B10	7670100	B	N(S/SXAMD)	7670100
	11(0)					
	12(0)					
	13(0)					
32C17	14(2)	11C31	1000100	.	A0	6850250
	15(0)					
	16(0)					
	17(1)	18C23	7590800	B	(NSW0.K46)	7590800
	18(0)		1462770	B	K46-2	1462770
18C21	19(2)	19B17	7590600	-CON	(SW0.K46)	7590700
19B26	20(2)	20B14	1462750	.	K46	1462760
	21(0)					
27B50	22(2)	28B04	6912430	.	PRXNAND	1312750
27B24	23(2)	31B21	4610910	.	GXAND	4620000
27B33	24(2)	27B23	4610910	.	GXAND	4620500
	25(1)	26D25	4620000	B	GXAND/7	4620000
	26(1)	25D25	4620500	B	GXAND/E	4620500
	27(1)	31D46	1312750	B	K31	1312750
29B42	28(1)		7520320	B	NSDIS-1	7520320
28B24	29(2)	27B30	7520220	.	NSDIS	4620000
27B29	30(2)	27B31	7520220	.	NSDIS	6912760
27B30	31(2)	27B37	7520220	.	NSDIS	6912820
	32(0)					
20D20	33(2)	27B24	4610910	.	GXAND	4620100
	34(1)	17D25	4620400	B	GXAND/D	4620400
	35(1)	09D25	4620300	B	GXAND/C	4620300
11B25	36(1)		4620100	B	GXAND/A	4620100
27B31	37(2)	27B39	7520220	.	NSDIS	4620100
27B39	38(2)	27B40	7520220	.	NSDIS	4620200
27B37	39(2)	27B38	7520220	.	NSDIS	4620300
27B38	40(2)	27B42	7520220	.	NSDIS	4620400
	41(1)	05B25	4620200	B	GXAND/B	4620200
27B40	42(2)	27B43	7520220	.	NSDIS	6912740
27B42	43(2)	29B43	7520220	.	NSDIS	6912720
	44(1)	05B26	6912740	B	PRXNAND/B	6912740
11B26	45(1)		6912720	B	PRXNAND/A	6912720
	46(1)	09D26	6912760	B	PRXNAND/C	6912760
	47(1)	17D26	6912820	B	PRXNAND/D	6912820
	48(0)					
26B49	49(0)	28B49	0002000	.	4VB	0002030
19B34	50(2)	27B22	6912430	.	PRXNAND	6912720
26B51	51(0)	28B51	0006000	.	8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
28B02	01(2)	28B29	4610030	.	GXAD	4610500
19B06	02(2)	28B01	4610030	.	GXAD	4610080
28B04	03(2)	31B05	6912430	.	PRXNAND	6912840
27B22	04(2)	28B03	6912430	.	PRXNAND	6912600
26D21	05(1)		4610080	B	GXAD/7	4610080
	06(0)					
	07(0)					
	08(0)					
26B10	09(2)	32B47	4375000	.	FPDIS	7520000
29B12	10(2)	29B09	7520000	B	SDIS	7520000
	11(1)	29B35	7520400	B	(SDIS.NKSXA)	7520440
26B12	12(2)	30B14	5600000	.	NKSXA	7520440
	13(0)					
	14(0)					
	15(0)					
	16(0)					
	17(1)	25D21	4610500	B	GXAD/E	4610500
	18(1)	26D26	6912600	B	PRXNAND/7	6912600
	19(1)	25D26	6912840	B	PRXNAND/E	6912840
28B21	20(2)	28B22	7520220	.	NSDIS	4610080
28B23	21(2)	28B20	7520220	.	NSDIS	4610400
28B20	22(2)	28B24	7520220	.	NSDIS	4610300
29B10	23(2)	28B21	7520220	.	NSDIS	4610200
28B22	24(2)	27B29	7520220	.	NSDIS	4610100
	25(1)	05B21	4610200	B	GXAD/B	4610200
11B21	26(1)		4610100	B	GXAD/A	4610100
	27(1)	09D21	4610300	B	GXAD/C	4610300
	28(1)	17D21	4610400	B	GXAD/D	4610400
28B01	29(2)	31B26	4610030	.	GXAD	4610100
29B34	30(2)	28B34	6910150	.	PRXAD/7	6910420
19B31	31(2)	28B33	7520500	.	N(SDIS.NKSXA.NKSXD)	6910460
	32(0)					
28B31	33(2)	30B47	7520500	.	N(SDIS.NKSXA.NKSXD)	6910170
28B30	34(2)	26D29	6910150	B	PRXAD/7	6910170
29B17	35(2)	25D29	6910620	B	PRXAD/E	6910640
29B19	36(2)	09D29	6910520	B	PRXAD/C	6910540
	37(0)					
	38(0)					
	39(0)					
	40(0)					
29B05	41(2)	17D29	6910560	B	PRXAD/D	6910580
29B41	42(2)	26D27	6911720	.	PRXNAD/7	6911760
29B45	43(2)	26D20	6910820	.	PRXAND/7	6910920
11B27	44(1)		6911760	B	PRXNAD/A	6911760
11B20	45(1)		6910920	B	PRXAND/A	6910920
11B29	46(1)		6910420	B	PRXAD/A	6910420
	47(1)	29B18	6910440	B	PRXAD/B	6910460
	48(0)					
27B49	49(0)	29B49	0002000		4VB	0002030
	50(0)					
27B51	51(0)	29B51	0006000		8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
19805	01(2)	29803	7520320	.	NSDIS-1	6910620
29803	02(2)	29804	7520320	.	NSDIS-1	6910560
29801	03(2)	29802	7520320	.	NSDIS-1	6910520
29802	04(2)	29821	7520320	.	NSDIS-1	6910440
	05(1)	28841	6910560	I	PRXAD/D	6910560
30834	06(2)	23809	7670190	I	NSXB	7670190
	07(1)	29811	7520220	.	NSDIS	7670190
26807	08(1)		3931000	.	DIV	7670190
28810	09(2)	30806	7520000	.	SDIS	7520240
29811	10(2)	28823	7520220	I	NSDIS	7520240
29807	11(2)	29810	7520220	I	NSDIS	7520220
30829	12(2)	28810	7520000	.	SDIS	7520220
	13(0)					
18809	14(2)	30C19	4390050	.	FPRR	7670190
	15(0)					
	16(0)					
	17(1)	28835	6910620	I	PRXAD/E	6910620
28847	18(2)	05829	6910440	I	PRXAD/B	6910440
	19(1)	28836	6910520	I	PRXAD/C	6910520
29840	20(2)	31814	6910000	.	NPRXAD	6910440
29804	21(2)	29823	7520320	.	NSDIS-1	6912120
29823	22(2)	29824	7520320	.	NSDIS-1	6912060
29821	23(2)	29822	7520320	.	NSDIS-1	6912020
29822	24(2)	29830	7520320	.	NSDIS-1	6911820
30825	25(2)	09D27	6912020	I	PRXNAD/C	6912020
30826	26(2)	05827	6911820	I	PRXNAD/B	6911820
30827	27(2)	17D27	6912060	I	PRXNAD/D	6912060
30828	28(2)	25D27	6912120	I	PRXNAD/E	6912120
29838	29(2)	31830	6911620	.	NPRXNAD	6911820
29824	30(2)	29831	7520320	.	NSDIS-1	6911020
29830	31(2)	29842	7520320	.	NSDIS-1	6911060
	32(0)					
29843	33(2)	19828	7520220	.	NSDIS	6910150
	34(1)	28830	6910150	I	PRXAD/7	6910150
28811	35(2)	30850	7520400	I	(SDIS.NKSXA)	7520400
30836	36(2)	25D20	6911120	I	PRXAND/E	6911120
29850	37(2)	31833	6910720	.	NPRXAND	6911120
19837	38(2)	29829	6911620	.	NPRXNAD	6911720
	39(0)					
32C04	40(2)	29820	6910000	.	NPRXAD	6910150
30835	41(2)	28842	6911720	I	PRXNAD/7	6911720
29831	42(2)	27828	7520320	.	NSDIS-1	6910940
27843	43(2)	29833	7520220	.	NSDIS	6910820
30844	44(2)	05820	6910940	I	PRXAND/B	6910940
30845	45(2)	28843	6910820	I	PRXAND/7	6910820
30846	46(2)	09D20	6911020	I	PRXAND/C	6911020
30841	47(2)	17D20	6911060	I	PRXAND/D	6911060
	48(0)					
28849	49(0)	30849	0002000		4VB	0002030
32C05	50(2)	29837	6910720	.	NPRXAND	6910820
29851	51(0)	30851	0006000		8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
30804	03(2)	15C09	3502500	.	NBXBL2	3502400
26B23	04(2)	30B03	3502500	.	NBXBL2	3502300
	05(0)					
29B09	06(1)		7520000	I	SDIS	7520100
26B04	07(1)		5600200	.	NKSXB	7520100
26B05	08(2)	30B21	5600300	.	NKSXD	7520100
26B14	09(2)	30B13	3991050	.	NDXA	3990800
	10(1)	30B11	3990600	I	DXA-L	3990800
30B10	11(2)	30B15	3990600	I	DXA-L	3990700
30B13	12(2)	13B12	3991050	.	NDXA	3990700
30B09	13(2)	30B12	3991050	.	NDXA	3990600
28B12	14(2)	30B38	5600000	.	NKSXA	7520100
30B11	15(2)	31D11	3990600	I	DXA-L	3990600
	16(0)					
	17(0)					
30B19	18(2)	18C34	3502300	I	BXBL2-U	3502300
	19(1)	30B18	3502300	I	BXBL2-U	3502400
	20(0)					
30B08	21(2)	30B22	5600300	.	NKSXD	6912140
30B21	22(2)	30B23	5600300	.	NKSXD	6912080
30B22	23(2)	30B24	5600300	.	NKSXD	6912040
30B23	24(2)	30B31	5600300	.	NKSXD	6911840
	25(1)	29B25	6912020	I	PRXNAD/C	6912040
	26(1)	29B26	6911820	I	PRXNAD/B	6911840
	27(1)	29B27	6912060	I	PRXNAD/D	6912080
	28(1)	29B28	6912120	I	PRXNAD/E	6912140
30B33	29(2)	29B12	7520000	.	SDIS	6911840
	30(0)					
30B24	31(2)	30B39	5600300	.	NKSXD	7520500
	32(0)					
19B29	33(2)	30B29	7520000	.	SDIS	6911080
	34(1)	29B06	7670190	I	NSXB	7670192
	35(1)	29B41	6911720	I	PRXNAD/7	6911740
	36(1)	29B36	6911120	I	PRXAND/E	6911140
30B38	37(1)		5600000	.	NKSXA	6911140
30B14	38(2)	30B37	5600000	.	NKSXA	6911080
30B31	39(1)		5600300	.	NKSXD	6911740
26B28	40(1)		5600100	.	KSXB	7670192
	41(1)	29B47	6911060	I	PRXAND/D	6911080
	42(0)					
	43(0)					
	44(1)	29B44	6910940	I	PRXAND/B	6910960
	45(1)	29B45	6910820	I	PRXAND/7	6910840
	46(1)	29B46	6911020	I	PRXAND/C	6911040
28B33	47(1)		7520500	I	N(SDIS.NKSXA.NKSXD)	7520500
	48(0)					
29B49	49(0)	31B49	0002000	.	4VB	0002030
29B35	50(2)	32C07	7520400	.	(SDIS.NKSXA)	6910840
29B51	51(0)	31B51	0006000	.	8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	30C01	3850300	-NS	CL-31B01	3850300
	02(0)		4610900	FF	NGXAND	4610900
	03(0)		6912440-1	+		6912440
26B03	04(2)	31B31	7670020	-CON	NSXADD	7670030
28B03	05(1)		6912430	NFF	PRXNAND	6912430
26B06	06(2)	18B05	6851000	FF	PH10	6851000
	07(1)	26B27	6851002	NFF	NPH10	6851002
	08(1)	31B16	4601731	.	GND1731	6851004
	09(0)					
27B10	10(2)	32C01	7670100	.	N(S/SXAMD)	4610920
	11(0)		6910020-1	+		6910020
	12(0)		6910010	NFF	PRAXD	6910010
26B13	13(2)	32C02	7660700	.	N(S/SXA+S/SXD)	6910020
29B20	14(1)		6910000	FF	NPRXAD	6910000
	15(0)					
31B08	16(2)	31B17	4601731	-NS	GND1731	4601731
31B16	17(2)	31B20	4601731	.	GND1731	4610920
	18(0)		4610920-1	+		4610920
18B01	19(2)	30C06	6850900	.	PH9	6851004
31B17	20(2)	31B37	4601731	.	GND1731	6910020
27B23	21(1)		4610910	NFF	GXAND	4610910
	22(0)					
	23(0)					
26B24	24(2)	32C03	7672200	.	N(S/SXMA+S/SXMD)	6912440
	25(0)					
28B29	26(1)		4610030	NFF	GXAD	4610030
18B50	27(1)		6850400	FF	PH4	6850400
23B30	28(1)		6850402	NFF	NPH4	6850402
	29(0)		6911630	NFF	PRXNAD	6911630
29B29	30(1)		6911620	FF	NPRXNAD	6911620
31B04	31(2)	23C50	7670020	-CON	NSXADD	7670020
	32(0)					
29B37	33(1)		6910720	FF	NPRXAND	6910720
	34(0)		6910730	NFF	PRXAND	6910730
26B34	35(2)	32C11	7660800	.	N(S/SXA+S/SXMD)	6910740
23B08	36(2)	32C09	7670150	.	N(S/SXAPD)	4610040
31B20	37(1)		4601731	.	GND1731	4610040
	38(0)					
	39(0)		6910740-1	+		6910740
	40(0)					
	41(0)		6911640-1	+		6911640
26B42	42(2)	32C14	7672100	.	N(S/SXMA+S/SXD)	6911640
	43(0)					
	44(0)					
	45(0)					
	46(0)		4610040-1	+		4610040
26B35	47(2)	26C06	6850300	.	PH3	6850404
	48(0)					
30B49	49(0)	32B49	0002000		4VB	0002030
	50(0)		6850404-1	+		6850404
30B51	51(0)	32B51	0006000		8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	22C20	1002100	C	FP0	1002100
	02(1)	15B33	1012100	C	FP1	1012100
	03(1)	22C11	1022100	C	FP2	1022100
	04(1)	15B35	1032100	C	FP3	1032100
	05(1)	15B18	1042100	C	FP4	1042100
	06(1)	15B13	1052100	C	FP5	1052100
	07(1)	15B14	1062100	C	FP6	1062100
	08(1)	15B15	1072100	C	FP7	1072100
	09(1)	16B37	1082100	C	FP8	
	10(1)	16B33	1092100	C	FP9	1092100
	11(1)	16B34	1102100	C	FP10	1102100
	12(1)	16B35	1112100	C	FP11	1112100
	13(1)	16B18	1122100	C	FP12	1122100
	14(1)	16B13	1132100	C	FP13	1132100
	15(1)	16B14	1142100	C	FP14	1142100
	16(0)					
	17(1)	16B15	1152100	C	FP15	1152100
	18(1)	17B37	1162100	C	FP16	1162100
	19(1)	17B33	1172100	C	FP17	1172100
	20(1)	17B34	1182100	C	FP18	1182100
	21(1)	17B35	1192100	C	FP19	1192100
	22(1)	17B18	1202100	C	FP20	1202100
	23(1)	17B13	1212100	C	FP21	1212100
	24(1)	17B14	1222100	C	FP22	1222100
	25(1)	17B15	1232100	C	FP23	1232100
18B37	26(1)		1242100	C	FP24	1242100
18B33	27(1)		1252100	C	FP25	1252100
18B34	28(1)		1262100	C	FP26	1262100
18B35	29(1)		1272100	C	FP27	1272100
18B18	30(1)		1282100	C	FP28	1282100
18B13	31(1)		1292100	C	FP29	1292100
	32(0)					
18B14	33(1)		1302100	C	FP30	1302100
18B15	34(1)		1312100	C	FP31	1312100
26B33	35(1)		3800000	C	N(S/CC1/FP)	3800000
26B36	36(1)		3801000	C	N(S/CC2/FP)	3801000
26B37	37(1)		4450000	-NS	FS	4450000
26B38	38(1)		4498000	-NS	NFZ	4498000
	39(1)	26B39	4349900	-NS	FNF	4349900
	40(0)					
26B41	41(2)	18C18	6502100	-NS	N02	6502100
28C50	42(1)		6506100	-NS	N06	6506100
23B01	43(1)		6507100	-NS	N07	6507100
26B44	44(1)		7480000	C	N(S/RW/FP)	
26B45	45(1)		4390400	C	NFPRR-1	4390400
	46(1)	11C10	4361000	-NS	FPCON	4361000
28B09	47(2)	29D29	4375000	-NS	FDPIS	4375100
	48(0)					
31B49	49(0)		0002000		4VB	0002030
	50(0)					
31B51	51(0)		0006000		8VB	0006030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
03C01	01(1)		3850400	.	CL-03C01	1470134
10B24	02(1)		1480100	FF	A48	1480100
	03(1)	02C13	1490110-1	+		1490116
10B18	04(1)		1490100	FF	A49	1490100
12B35	05(2)	01C12	3005000	-CON	A4851Z	3005100
11B12	06(1)		1470100	FF	A47	1470100
13B04	07(1)		1470104	NFF	NA47	1470104
03B24	08(2)	05C24	1470170	.	(S/A47/2)	1470110
01C15	09(2)	03C15	3207000	.	AX-U	1470130
	10(0)					
	11(1)	02C11	1500110-1	+		1500110
01C05	12(2)	01C21	3005000	-CON	A4851Z	3005200
	13(1)	01C17	4601901	.	GND1901	1500116
09B24	14(1)		1500100	FF	A50	1500100
01C23	15(2)	01C09	3207000	.	AX-U	1500130
01C17	16(2)	01C20	4601901	-NS	GND1901	4601901
01C13	17(2)	01C16	4601901	.	GND1901	1480116
	18(1)	02C18	1480110-1	+		1480116
05C25	19(2)	15C06	1470150	.	(S/A47/1)	1470110
01C16	20(2)	01C24	4601901	.	GND1901	1500116
01C12	21(2)	01C34	3005000	-CON	A4851Z	3005000
01C38	22(2)	01C23	3207000	.	AX-U	1490130
01C22	23(2)	01C15	3207000	.	AX-U	1480130
01C20	24(2)	01C25	4601901	.	GND1901	1490116
01C24	25(2)	01C37	4601901	.	GND1901	1480116
	26(1)	01C28	3006000	-CON	A5255Z	3006100
06B24	27(1)		1540100	FF	A54	1540100
01C26	28(2)	01C29	3006000	-CON	A5255Z	3006200
01C28	29(2)	03C05	3006000	-CON	A5255Z	3006000
07B24	30(1)		1520100	FF	A52	1520100
07B18	31(1)		1530100	FF	A53	1530100
	32(0)					
09B18	33(1)		1510100	FF	A51	1510100
01C21	34(1)		3005000	-CON	A4851Z	3005300
12B39	35(1)		6850760	.	(PH7.DIV.A47)	1510116
	36(0)					
01C25	37(2)	01C42	4601901	.	GND1901	1510116
01C40	38(2)	01C22	3207000	.	AX-U	1510130
	39(1)	02C38	1510110-1	+		1510116
01C44	40(2)	01C38	3207000	.	AX-U	1520130
	41(1)	02C39	1520110-1	+		1520110
01C37	42(2)	01C43	4601901	.	GND1901	1520116
01C42	43(2)	01C47	4601901	.	GND1901	1530116
01C45	44(2)	01C40	3207000	.	AX-U	1530130
05C46	45(2)	01C44	3207000	.	AX-U	1540130
	46(1)	02C41	1530110-1	+		1530110
01C43	47(1)		4601901	.	GND1901	1540116
	48(0)					
	49(0)	02C49	0003000	-VSP	4VC	0003000
	50(1)	02C42	1540110-1	+		1540116
	51(0)	02C51	0007000	-VSP	8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
04C12	01(2)	05C21	3303700	.	NAXSL4	3303100
04C02	02(2)	05C22	3305700	.	NAXSR2	3305000
	03(0)					
04C08	04(2)	02C34	1546500	.	S54	1530110
16B47	05(2)	02C33	1486500	.	S48	1480110
	06(1)	03C03	1550110-1	+		1550114
03B30	07(2)	02C25	1476500	.	S47	1480112
02C23	08(1)		1466500	.	S46	1480112
02C17	09(2)	16B24	1496500	.	S49	1530114
	10(1)	10D31	3303100	I	AXSL4-1	3303100
01C11	11(1)		1500110-1	+		1500112
04C01	12(2)	04C50	3306600	.	NAXSR4	3306000
01C03	13(1)		1490110-1	+		1490114
16B02	14(2)	02C30	1536500	.	S53	1520110
04C15	15(2)	02C40	7690000	I	SZU	7690100
	16(1)	02C20	4601902	-NS	GND1902	4601902
10B19	17(2)	02C09	1496500	.	S49	1480110
01C18	18(1)		1480110-1	+		1480112
16B43	19(2)	02C45	1506500	.	S50	1540114
02C16	20(2)	02C22	4601902	.	GND1902	1490114
16B36	21(2)	02C44	1516500	.	S51	1550114
02C20	22(1)		4601902	.	GND1902	1480114
15C28	23(2)	02C08	1466500	.	S46	1500114
04C24	24(2)	05B19	1576500	.	S57	1530114
02C07	25(2)	02C50	1476500	.	S47	1510114
04C26	26(2)	02C43	1566500	.	S56	1520114
04C27	27(2)	04C44	1596500	.	S59	1550114
04C28	28(2)	02C36	1556500	.	S55	1510114
17B43	29(2)	04C29	1586500	.	S58	1540114
02C14	30(2)	04C30	1536500	.	S53	1490114
04C31	31(2)	02C35	1526500	.	S52	1480114
	32(0)					
02C05	33(2)	10B17	1486500	.	S48	1520114
02C04	34(2)	04C34	1546500	.	S54	1500114
02C31	35(2)	07B17	1526500	.	S52	1510110
02C28	36(2)	06B19	1556500	.	S55	1540110
	37(1)	03B31	3300750	I	AXS-1	3300750
01C39	38(1)		1510110-1	+		1510112
01C41	39(1)		1520110-1	+		1520110
02C15	40(1)		7690000	I	SZU	7690000
01C46	41(1)		1530110-1	+		1530110
01C50	42(1)		1540110-1	+		1540112
02C26	43(2)	05B17	1566500	.	S56	1550110
02C21	44(2)	10D30	1516500	.	S51	1500110
02C19	45(2)	09B17	1506500	.	S50	1490110
12B42	46(2)	04C46	3301700	.	NAXS	3301400
04C47	47(2)	05C47	3302800	.	NAXSL1	3302100
	48(0)					
01C49	49(0)	03C49	0003000	.	4VC	0003000
02C25	50(2)	11B19	1476500	.	S47	7690000
01C51	51(0)	03C51	0007000	.	8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	01C01	3850400	-NS	CL-03C01	3850400
05B18	02(1)		1570100	FF	A57	1570100
02C06	03(1)		1550110-1	+		1550110
06B18	04(1)		1550100	FF	A55	1550100
01C29	05(2)	13B03	3006000	-CON	A5255Z	3006300
11C08	06(2)	03D30	6850100	FF	PH1	6850100
12B18	07(2)	03C08	6850102	NFF	NPH1	6850102
03C07	08(2)	29D31	6850102	.	NPH1	6850104
	09(0)					
11C10	10(2)	05C20	4361000	.	FPCON	1550116
	11(1)	04C11	1580110-1	+		1580116
	12(0)		1580104	NFF	NA58	1580104
	13(1)	03C19	4601903	.	GND1903	1580116
04B24	14(1)		1580100	FF	A58	1580100
01C09	15(2)	03C23	3207000	.	AX-U	1580130
03C17	16(2)	03C20	4601903	-NS	GND1903	4601903
03C19	17(2)	03C16	4601903	.	GND1903	1550116
	18(1)	04C13	1570110-1	+		1570110
03C13	19(2)	03C17	4601903	.	GND1903	6850104
03C16	20(2)	03C24	4601903	.	GND1903	1580116
	21(0)		1570104	NFF	NA57	1570104
03C23	22(2)	03C38	3207000	.	AX-U	1550130
03C15	23(2)	03C22	3207000	.	AX-U	1570130
03C20	24(2)	03C25	4601903	.	GND1903	1550116
03C24	25(2)	03C37	4601903	.	GND1903	1570116
	26(0)		1600104	NFF	NA60	1600104
02B18	27(1)		1610100	FF	A61	1610100
	28(0)		1610104	NFF	NA61	1610104
	29(0)		1590104	NFF	NA59	1590104
04B18	30(1)		1590100	FF	A59	1590100
02B24	31(1)		1600100	FF	A60	1600100
	32(0)					
05B24	33(1)		1560100	FF	A56	1560100
	34(0)		1560104	NFF	NA56	1560104
	35(0)					
03C37	36(1)		4601903	.	GND1903	1560116
03C25	37(2)	03C36	4601903	.	GND1903	1560116
03C22	38(2)	03C40	3207000	.	AX-U	1560130
	39(1)	04C18	1560110-1	+		1560116
03C38	40(2)	03C44	3207000	.	AX-U	1590130
	41(1)	04C38	1590110-1	+		1590116
	42(0)					
	43(0)					
03C40	44(2)	03C45	3207000	.	AX-U	1600130
03C44	45(2)	06C45	3207000	.	AX-U	1610130
	46(1)	04C39	1600110-1	+		1600116
	47(0)					
	48(0)					
02C49	49(0)	04C49	0003000		4VC	0003000
	50(1)	04C41	1610110-1	+		1610116
02C51	51(0)	04C51	0007000		8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
09C01	01(2)	02C12	3306600	.	NAXSR4	3306400
09C02	02(2)	02C02	3305700	.	NAXSR2	3305100
	03(0)					
01B17	04(2)	04C23	1626500	.	S62	1610110
17B47	05(2)	04C26	1566500	.	S56	1560110
	06(1)	06C03	1630110-1	+		1630110
16B11	07(2)	04C28	1556500	.	S55	1560112
16B12	08(2)	02C04	1546500	.	S54	1560112
09C24	09(2)	01D19	1656500	.	S65	1610114
	10(0)		3306020	I	AXSR4-2	3306020
03C11	11(1)		1580110-1	+		1580114
09C12	12(2)	02C01	3303700	.	NAXSL4	3303200
03C18	13(1)		1570110-1	+		1570110
02B19	14(2)	04C20	1616500	.	S61	1600110
09C15	15(2)	02C15	7690000	I	SZU	7690500
	16(0)					
17B24	17(2)	04C24	1576500	.	S57	1560110
03C39	18(1)		1560110-1	+		1560112
09C29	19(2)	02D17	1666500	.	S66	1620114
04C14	20(2)	09C30	1616500	.	S61	1570114
09C44	21(2)	02D19	1676500	.	S67	1630114
17B21	22(2)	04C35	1606500	.	S60	1560114
04C04	23(2)	09C34	1626500	.	S62	1580114
04C17	24(2)	02C24	1576500	.	S57	1610114
01B19	25(2)	04C36	1636500	.	S63	1590114
04C05	26(2)	02C26	1566500	.	S56	1600114
17B36	27(2)	02C27	1596500	.	S59	1630114
04C07	28(2)	02C28	1556500	.	S55	1590114
02C29	29(2)	04C45	1586500	.	S58	1620114
02C30	30(2)	07B19	1536500	.	S53	1570114
16B21	31(2)	02C31	1526500	.	S52	1560114
	32(0)					
09C26	33(2)	04C43	1646500	.	S64	1600114
02C34	34(2)	06B17	1546500	.	S54	1580114
04C22	35(2)	09C31	1606500	.	S60	1590110
04C25	36(2)	09C28	1636500	.	S63	1620110
	37(0)		3300800	I	AXS-2	3300800
03C41	38(1)		1590110-1	+		1590114
03C46	39(1)		1600110-1	+		1600112
	40(1)	13C19	3306040	I	AXSR4-4	3306550
03C50	41(1)		1610110-1	+		1610110
	42(1)	06C50	1620110-1	+		1620110
04C33	43(2)	01D17	1646500	.	S64	1630110
02C27	44(2)	04B19	1596500	.	S59	1580110
04C29	45(2)	04B17	1586500	.	S58	1570110
02C46	46(2)	09C46	3301700	.	NAXS	3301500
09C47	47(2)	02C47	3302800	.	NAXSL1	3302200
	48(0)					
03C49	49(0)	05C49	0003000	.	4VC	0003000
02C12	50(2)	05C23	3306600	.	NAXSR4	3306550
03C51	51(0)	05C51	0007000	.	8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
06C01	01(2)	05C02	3850500	T	CL-06C01	3850500
05C01	02(1)		3850500	T	CL-06C01	3850500
	03(1)	03B08	1632750	T	K63	
03B33	04(1)		1462755	T	NK46	
	05(1)	03B42	1592750	T	K59	
	06(1)	06B20	6910920	T	PRXAND/A	
	07(1)	06B21	4610100	T	GXAD/A	
	08(1)	06B26	6912720	T	PRXNAND/A	
	09(1)	06B25	4620100	T	GXAND/A	
	10(1)	06B27	6911760	T	PRXNAD/A	
	11(1)	06B29	6910420	T	PRXAD/A	
	12(1)	08B08	1552750	T	K55	
10C44	13(1)		4004100	T	NE4	
10C41	14(1)		4005100	T	NE5	
10C27	15(1)		4006100	T	NE6	
	16(0)					
10C28	17(1)		4007100	T	NE7	
08B34	18(1)		7670160	T	N(S/SXAPD/1)	
08B36	19(1)		3930500	T	NDIT	
03C10	20(1)		4361000	T	FPCON	
02C01	21(1)		3303700	T	NAXSL4	
02C02	22(1)		3305700	T	NAXSR2	
04C50	23(1)		3306600	T	NAXSR4	
01C08	24(1)		1470170	T	(S/A47/2)	
	25(1)	01C19	1470150	T	(S/A47/1)	
	26(0)					
07C18	27(1)		4496000	T	FXNA	
08C04	28(1)		4021000	T	EDC3	
	29(0)					
08C29	30(1)		4090000	T	EX	
10C04	31(1)		4022000	T	EDC7	
	32(0)					
12C04	33(1)		4322000	T	FDC7	
	34(0)					
08C35	35(1)		4094000	T	EXNE	
11C36	36(1)		3306040	T	AXSR4-4	
	37(0)					
	38(0)					
13C12	39(1)		5978100	T	NMUL	
14C01	40(1)		3300400	T	NAXFP	
15C24	41(1)		3502500	T	NBXBL2	
15C33	42(1)		3501500	T	NBXBL1	
10C43	43(1)		4082000	T	EUC7	
	44(0)					
15C22	45(1)		3204000	T	NAX	
	46(1)	01C45	3207000	T	AX-U	
02C47	47(1)		3302800	T	NAXSL1	
	48(0)					
04C49	49(0)	06C49	0003000		4VC	0003000
07D11	50(1)		3990900	T	DXA-U	
04C51	51(0)	06C51	0007000		BVC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
06B09	01(2)	05C01	3850500	-NS	CL-06C01	3850500
	02(1)	01D13	1650100	FF	A65	1650100
04C06	03(1)		1630110-1	+		1630110
01B18	04(1)		1630100	FF	A63	1630100
	05(0)		1630104	NFF	NA63	1630104
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(1)	09C11	1660110-1	+		1660116
	12(0)		1660104	NFF	NA66	1660104
	13(1)	06C17	4601907	.	GND1907	1660116
	14(1)	02D12	1660100	FF	A66	1660100
06C23	15(2)	11C15	3207000	.	AX-U	1660130
06C17	16(2)	06C20	4601907	-NS	GND1907	4601907
06C13	17(2)	06C16	4601907	.	GND1907	1630116
	18(1)	09C13	1650110-1	+		1650116
	19(0)					
06C16	20(2)	06C24	4601907	.	GND1907	1660116
	21(0)		1650104	NFF	NA65	1650104
06C38	22(2)	06C23	3207000	.	AX-U	1630130
06C22	23(2)	06C15	3207000	.	AX-U	1650130
06C20	24(2)	06C25	4601907	.	GND1907	1630116
06C24	25(2)	06C37	4601907	.	GND1907	1650116
	26(0)		1680104	NFF	NA68	1680104
01B24	27(1)		1620100	FF	A62	1620100
	28(0)		1620104	NFF	NA62	1620104
	29(0)		1670104	NFF	NA67	1670104
	30(1)	02D13	1670100	FF	A67	1670100
	31(1)	06D12	1680100	FF	A68	1680100
	32(0)					
	33(1)	01D12	1640100	FF	A64	1640100
	34(0)		1640104	NFF	NA64	1640104
	35(0)					
06C37	36(1)		4601907	.	GND1907	1620116
06C25	37(2)	06C36	4601907	.	GND1907	1620116
06C40	38(2)	06C22	3207000	.	AX-U	1640130
	39(1)	09C18	1640110-1	+		1640110
06C44	40(2)	06C38	3207000	.	AX-U	1670130
	41(1)	09C38	1670110-1	+		1670116
	42(0)					
	43(0)					
06C45	44(2)	06C40	3207000	.	AX-U	1680130
03C45	45(2)	06C44	3207000	.	AX-U	1620130
	46(1)	09C39	1680110-1	+		1680116
	47(0)					
	48(0)					
05C49	49(0)	07C49	0003000		4VC	0003000
04C42	50(1)		1620110-1	+		1620110
05C51	51(0)	07C51	0007000		8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	08C01	3850600	.	CL-08C01	4300800
	02(0)					
	03(0)		4303500-1	+		4303500
22B42	04(2)	03D22	4321000	.	FDC3	4300400
15B38	05(2)	08C14	4303000	FF	F3	4303000
	06(1)	11C34	1020104	.	NA2	4302200
	07(1)	11C28	1030104	.	NA3	4303200
	08(1)	09D28	1021300	.	D2	4302200
	09(0)					
	10(0)					
	11(0)					
	12(0)		4303200-1	+		4303200
13C02	13(1)		6502100	.	N02	4302300
	14(1)	09D23	1031300	.	D3	4303200
12C15	15(1)		3970000	.	DPP	4300300
	16(1)	07C23	4601909	-NS	GND1909	4601909
	17(0)		4302500-1	+		4302500
12C18	18(2)	05C27	4496000	.	FXNA	4300200
08C08	19(1)		4302000	FF	F2	4302000
	20(0)		4302200-1	+		4302200
07C27	21(2)	08C13	4302100	NFF	NF2	4302100
07C28	22(2)	08C11	4303100	NFF	NF3	4303100
07C16	23(2)	07C35	4601909	.	GND1909	4301400
	24(0)		4301500-1	+		4301500
15B23	25(2)	08C38	4301000	FF	F1	4301000
	26(1)	08C42	4301100	NFF	NF1	4301100
	27(1)	07C21	4302100	.	NF2	4300400
	28(1)	07C22	4303100	.	NF3	4300400
12C29	29(2)	03D24	4490000	.	FX	4300600
	30(0)		4300600-1	+		4300700
	31(0)		4301200-1	+		4301200
	32(0)					
15B50	33(1)		4300000	FF	F0	4300000
12C34	34(2)	03D29	4491000	.	FXD	4300200
07C23	35(2)	07C38	4601909	.	GND1909	4300300
	36(0)		4300200-1	+		4300300
11C26	37(1)		1000104	.	NA0	4300200
07C35	38(2)	07C39	4601909	.	GND1909	4301300
07C38	39(2)	07C43	4601909	.	GND1909	4300300
12B43	40(1)		4300100	NFF	NF0	4300100
	41(0)					
	42(1)	08D23	1011300	.	D1	4301200
07C39	43(1)		4601909	.	GND1909	4300500
	44(0)					
	45(0)					
	46(1)	08D28	1001300	.	D0	4300200
	47(0)					
	48(0)					
06C49	49(0)	08C49	0003000	.	4VC	0003000
	50(1)	11C29	1010104	.	NA1	4301200
06C51	51(0)	08C51	0007000	.	8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
07C01	00(0) 01(2) 02(0) 03(0)	10C01	3850600	-NS	CL-08C01	3850600
22B46	04(2)	05C28	4003500-1 4021000	+		4003500 4000400
15B36	05(2)	08C45	4003000	FF	EDC3	4003000
15B40	06(2)	09C19	1026500	.	E3	4002200
13C03	07(2)	09C21	1036500	.	S2	4003200
15B44	08(2)	07C19	4302000	.	S3	4002200
12B07	09(2)	08C21	4002100	.	F2	4002300
12B06	10(2)	08C22	4003100	.	NE2	4003300
07C22	11(1) 12(0)		4303100 4003200-1	.	NE3	4003300 4003200
07C21	13(1)		4302100	.	NF3	4002300
07C05	14(1)		4303000	.	NF2	4003200
10C15	15(1) 16(0) 17(0)		4095000 4002500-1	.	F3	4000300
10C18	18(2)	17B09	6850300	+	EXNFM64	4002600
15B43	19(2) 20(0)	08C47	4002000 4002200-1	FF	PH3	4000200
08C09	21(2)	08C27	4002100	FF	E2	4002000
08C10	22(2)	08C28	4003100	NFF	NE2	4002100
22B34	23(2) 24(0)	08C43	4081000 4001500-1	.	NE3	4003100
17B23	25(1)		4001000	+	EUC3	4001400
15B24	26(2)	08C41	4001100	FF	EX	4001500
08C21	27(1)		4002100	NFF	E1	4001000
08C22	28(1)		4003100	.	NE1	4001100
10C29	29(2) 30(0) 31(0) 32(0)	05C30	4090000 4000600-1 4001200-1	.	NE2	4000400
17B50	33(1)		4000000	+	NE3	4000400
10C34	34(1)		4091000	FF	EX	4000600
10C35	35(2) 36(0)	05C35	4094000 4000200-1	.	EXFM64	4000600
09C33	37(2)	08D17	1006500	+	EXNE	4000300
07C25	38(2)	08C39	4301000	.	S0	4000400
08C38	39(2)	19D31	4301000	.	F1	4000200
12B02	40(2)	08C44	4000100	.	F1	4001300
08C26	41(1)		4001100	NFF	NE0	4000100
07C26	42(2)	08C46	4301100	.	NE1	4000100
08C23	43(2)	05D22	4081000	.	NF1	4001300
08C40	44(1)		4000100	.	EUC3	4000500
08C05	45(1)		4003000	.	NE0	4000300
08C42	46(2)	19D34	4301100	.	E3	4000500
08C19	47(1) 48(0)		4002000	.	NE1	4000200
07C49	49(0)	09C49	0003000	.	NF1	4000500
13C44	50(2)	08D19	1016500	.	E2	4000500
07C51	51(0)	09C51	0007000	.	4VC	0003000
				.	S1	4001200
				.	8VC	0007000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
19C12	01(2)	04C01	3306600	.	NAXSR4	3306500
14C02	02(2)	04C02	3305700	.	NAXSR2	3305200
	03(0)					
14C08	04(2)	09C23	1706500	.	S70	1690110
18B47	05(2)	09C26	1646500	.	S64	1640110
	06(1)	11C11	1710110-1	+		1710114
09C28	07(2)	17B11	1636500	.	S63	1640112
09C34	08(2)	17B12	1626500	.	S62	1640112
14C17	09(2)	13C44	1016500	.	S1	1690114
	10(0)		3306030	I	AXSR4-3	3306030
06C11	11(1)		1660110-1	+		1660112
14C12	12(2)	04C12	3303700	.	NAXSL4	3303300
06C18	13(1)		1650110-1	+		1650112
18B02	14(2)	09C20	1696500	.	S69	1680110
12B28	15(2)	04C15	7690000	I	SZU	7690900
	16(0)					
18B24	17(2)	09C24	1656500	.	S65	1640110
06C39	18(1)		1640110-1	+		1640110
08C06	19(2)	14C45	1026500	.	S2	1700114
09C14	20(2)	11C42	1696500	.	S69	1650114
08C07	21(2)	14C44	1036500	.	S3	1710114
18B21	22(2)	09C35	1686500	.	S68	1640114
09C04	23(2)	11C35	1706500	.	S70	1660114
09C17	24(2)	04C09	1656500	.	S65	1690114
14C07	25(2)	09C36	1716500	.	S71	1670114
09C05	26(2)	04C33	1646500	.	S64	1680114
18B36	27(2)	09C44	1676500	.	S67	1710114
04C36	28(2)	09C07	1636500	.	S63	1670114
09C45	29(2)	04C19	1666500	.	S66	1700114
04C20	30(2)	17B02	1616500	.	S61	1650114
04C35	31(2)	02B17	1606500	.	S60	1640114
	32(0)					
09C43	33(2)	08C37	1006500	.	S0	1680114
04C23	34(2)	09C08	1626500	.	S62	1660114
09C22	35(2)	11C43	1686500	.	S68	1670110
09C25	36(2)	11C47	1716500	.	S71	1700110
	37(0)		3300900	I	AXS-3	3300900
06C41	38(1)		1670110-1	+		1670110
06C46	39(1)		1680110-1	+		1680110
	40(0)					
	41(1)	11C03	1690110-1	+		1690114
	42(1)	11C18	1700110-1	+		1700114
13C40	43(2)	09C33	1006500	.	S0	1710110
09C27	44(2)	04C21	1676500	.	S67	1660110
18B43	45(2)	09C29	1666500	.	S66	1650110
04C46	46(2)	14C46	3301700	.	NAXS	3301600
14C47	47(2)	04C47	3302800	.	NAXSL1	3302300
	48(0)					
08C49	49(0)	10C49	0003000		4VC	0003010
	50(0)					
08C51	51(0)	10C51	0007000		8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
08C01	01(2)	12C01	3850600	.	CL-08C01	4004800
	02(0)					
	03(0)		4007500-1	+		4007500
22B45	04(2)	05C31	4022000	.	EDC7	4004400
15B11	05(2)	10C45	4007000	FF	E7	4007000
14C04	06(2)	19C08	1066500	.	S6	4006200
15B10	07(2)	19C07	1076500	.	S7	4007200
12C19	08(1)		4306000	.	F6	4006200
08B14	09(2)	10C21	4006100	.	NE6	4006300
08B15	10(2)	10C22	4007100	.	NE7	4007300
12B45	11(2)	12C22	4307100	.	NF7	4007300
	12(0)		4007200-1	+		4007200
	13(1)	12C21	4306100	.	NF6	4006300
12C05	14(1)		4307000	.	F7	4007200
26B31	15(2)	08C15	4095000	.	EXNFM64	4004300
	16(0)					
	17(0)		4006500-1	+		4006600
26C06	18(2)	08C18	6850300	.	PH3	4004200
15B12	19(2)	10C47	4006000	FF	E6	4006000
	20(0)		4006200-1	+		4006200
10C09	21(2)	10C27	4006100	NFF	NE6	4006100
10C10	22(2)	10C28	4007100	NFF	NE7	4007100
22B40	23(2)	10C43	4082000	.	EUC7	4005400
	24(0)		4005500-1	+		4005500
15B02	25(2)	05D13	4005000	FF	E5	4005000
08B13	26(2)	10C41	4005100	NFF	NE5	4005100
10C21	27(2)	05C15	4006100	.	NE6	4004400
10C22	28(2)	05C17	4007100	.	NE7	4004400
22B15	29(2)	08C29	4090000	.	EX	4004600
	30(0)		4004600-1	+		4004600
	31(0)		4005200-1	+		4005300
	32(0)					
15B21	33(2)	05D12	4004000	FF	E4	4004000
26B30	34(2)	08C34	4091000	.	EXFM64	4004200
22B25	35(2)	08C35	4094000	.	EXNE	4004300
	36(0)		4004200-1	+		4004200
14C35	37(2)	11D17	1046500	.	S4	4004200
12C26	38(2)	03D13	4305100	.	NF5	4005300
12C40	39(2)	03D12	4304100	.	NF4	4004300
08B12	40(2)	10C44	4004100	NFF	NE4	4004100
10C26	41(2)	05C14	4005100	.	NE5	4005300
12C25	42(1)		4305000	.	F5	4005200
10C23	43(2)	05C43	4082000	.	EUC7	4004500
10C40	44(2)	05C13	4004100	.	NE4	4004300
10C05	45(2)	05D15	4007000	.	E7	4004500
12C33	46(1)		4304000	.	F4	4004200
10C19	47(2)	05D14	4006000	.	E6	4004500
	48(0)					
09C49	49(0)	11C49	0003000	.	4VC	0003010
14C14	50(2)	11D19	1056500	.	S5	4005200
09C51	51(0)	11C51	0007000	.	8VC	0007010

FROM	PIN (CQUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	16C01	3850700	-NS	CL-11C01	3850700
	02(1)	07D12	1700100	FF	A70	1700100
09C41	03(1)		1690110-1	+		1690110
	04(1)	06D13	1690100	FF	A69	1690100
	05(0)		1690104	NFF	NA69	1690104
16B23	06(2)	05D33	5980000	FF	MWN	5980000
12B03	07(2)	05D35	5980100	NFF	NMWN	5980100
11C09	08(2)	03C06	6850100	.	PH1	5980200
21C19	09(2)	11C08	6850100	.	PH1	5980300
32B46	10(2)	03C10	4361000	.	FPCON	1690116
09C06	11(1)		1710110-1	+		1710116
	12(0)		1710104	NFF	NA71	1710104
	13(1)	11C19	4601912	.	GND1912	1710116
	14(1)	07D13	1710100	FF	A71	1710100
06C15	15(2)	11C22	3207000	.	AX-U	1710130
11C17	16(2)	11C20	4601912	-NS	GND1912	4601912
11C19	17(2)	11C16	4601912	.	GND1912	1690116
09C42	18(1)		1700110-1	+		1700116
11C13	19(2)	11C17	4601912	.	GND1912	5980200
11C16	20(2)	11C24	4601912	.	GND1912	1710116
	21(0)		1700104	NFF	NA70	1700104
11C15	22(2)	11C23	3207000	.	AX-U	1690130
11C22	23(2)	15C27	3207000	.	AX-U	1700130
11C20	24(2)	11C25	4601912	.	GND1912	1690116
11C24	25(2)	11C37	4601912	.	GND1912	1700116
	26(1)	07C37	1000104	NFF	NA0	1000104
	27(1)	09D13	1030100	FF	A3	1030100
07C07	28(2)	13C39	1030104	NFF	NA3	1030104
07C50	29(2)	13C34	1010104	NFF	NA1	1010104
	30(1)	08D13	1010100	FF	A1	1010100
27B14	31(2)	08D12	1000100	FF	A0	1000100
	32(0)					
	33(1)	09D12	1020100	FF	A2	1020100
07C06	34(2)	13C36	1020104	NFF	NA2	1020104
09C23	35(2)	07D17	1706500	.	S70	1020116
13C43	36(2)	05C36	3306040	.	AXSR4-4	1000116
11C25	37(1)		4601912	.	GND1912	1000116
	38(1)	11C40	3205000	.	AX/L	1020130
	39(1)	13C30	1020110-1	+		1020116
11C38	40(2)	11C44	3205000	.	AX/L	1010130
	41(1)	13C33	1010110-1	+		1010116
09C20	42(2)	06D19	1696500	.	S69	1010116
09C35	43(2)	06D17	1686500	.	S68	1000116
11C40	44(2)	11C45	3205000	.	AX/L	1000130
11C44	45(2)	15C46	3205000	.	AX/L	1030130
	46(1)	14C18	1000110-1	+		1000110
09C36	47(2)	07D19	1716500	.	S71	1030116
	48(0)					
10C49	49(0)	12C49	0003000		4VC	0003010
	50(1)	13C38	1030110-1	+		1030116
10C51	51(0)	12C51	0007000		8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
10C01	00(0)					
	01(1)		3850600	.	CL-08C01	4304800
	02(0)					
	03(0)		4307500-1	+		4307500
22B33	04(2)	05C33	4322000	.	FDC7	4304400
15B09	05(2)	10C14	4307000	FF	F7	4307000
	06(1)	16C28	1060104	.	NA6	4306200
	07(1)	16C34	1070104	.	NA7	4307200
	08(1)	13D28	1061300	.	D6	4306200
	09(1)	12C16	4601913	.	GND1913	4306300
13B26	10(2)	12C41	3503300	.	BXFP/U	4307300
	11(0)					
	12(0)		4307200-1	+		4307300
	13(0)					
	14(1)	13D23	1071300	.	D7	4307200
12B44	15(2)	07C15	3970000	.	DPP	4304300
12C09	16(2)	12C23	4601913	-NS	GND1913	4601913
	17(0)		4306500-1	+		4306500
26B46	18(2)	07C18	4496000	.	FXNA	4304200
15B05	19(2)	10C08	4306000	FF	F6	4306000
	20(0)		4306200-1	+		4306300
10C13	21(2)	12C27	4306100	NFF	NF6	4306100
10C11	22(2)	12C28	4307100	NFF	NF7	4307100
12C16	23(2)	12C39	4601913	.	GND1913	4305400
	24(0)		4305500-1	+		4305500
15B01	25(2)	10C42	4305000	FF	F5	4305000
	26(1)	10C38	4305100	NFF	NF5	4305100
12C21	27(2)	03D14	4306100	.	NF6	4304400
12C22	28(2)	03D15	4307100	.	NF7	4304400
	29(1)	07C29	4490000	.	FX	4304600
	30(0)		4304600-1	+		4304700
	31(0)		4305200-1	+		4305200
	32(0)					
15B22	33(2)	10C46	4304000	FF	F4	4304000
12B40	34(2)	07C34	4491000	.	FXD	4304200
	35(0)					
	36(0)		4304200-1	+		4304300
16C42	37(1)		1040104	.	NA4	4304200
	38(0)					
12C23	39(2)	12C43	4601913	.	GND1913	4304300
	40(1)	10C39	4304100	NFF	NF4	4304100
12C10	41(2)	18C40	3503300	.	BXFP/U	4305300
	42(1)	11D23	1051300	.	D5	4305200
12C39	43(1)		4601913	.	GND1913	4304500
16D29	44(2)	13B28	3503000	.	BXFP/L	4304300
	45(0)					
	46(1)	11D28	1041300	.	D4	4304200
	47(0)					
	48(0)					
11C49	49(0)	13C49	0003000	.	4VC	0003010
	50(1)	16C43	1050104	.	NA5	4305200
11C51	51(0)	13C51	0007000	.	8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
13C46	02(2)	07C13	6502100	.	N02	1070118
15B39	03(2)	08C07	1036500	.	S3	1070118
	04(0)					
	05(0)					
	06(0)					
	07(0)					
12B41	08(1)		5978000	.	MUL	1000118
26C19	09(2)	13C11	6850200	.	PH2	1000118
14C18	10(1)		1000110-1	+		1000118
13C09	11(2)	14D14	6850200	.	PH2	1080118
12B05	12(2)	05C39	5978100	.	NMUL	1080118
	13(1)	16C18	1080110-1	+		1080118
	14(0)					
	15(0)					
	16(0)					
	17(0)					
	18(0)					
04C40	19(2)	13C43	3306040	.	AXSR4-4	1070118
14C06	20(2)	16C39	1070110-1	+		1070118
	21(0)					
	22(0)					
	23(0)					
	24(0)					
	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(0)					
11C39	30(2)	14C11	1020110-1	+		1020118
	31(0)					
	32(0)					
11C41	33(2)	14C13	1010110-1	+		1010118
11C29	34(1)		1010104	.	NA1	1010118
14C50	35(2)	16C36	6850250	.	(PH2.A0)	1010118
11C34	36(1)		1020104	.	NA2	1020118
	37(0)					
11C50	38(2)	14C38	1030110-1	+		1030118
11C28	39(1)		1030104	.	NA3	1030118
14C05	40(2)	09C43	1006500	.	S0	1040118
	41(1)	14C39	1040110-1	+		1040118
18C18	42(2)	13C46	6502100	.	N02	1040118
13C19	43(2)	11C36	3306040	.	AXSR4-4	1040118
09C09	44(2)	08C50	1016500	.	S1	1050118
	45(1)	14C41	1050110-1	+		1050118
13C42	46(2)	13C02	6502100	.	N02	1060118
	47(1)	14C42	1060110-1	+		1060118
	48(0)					
12C49	49(0)	14C49	0003000	.	4VC	0003010
14C45	50(2)	09D17	1026500	.	S2	1060118
12C51	51(0)	14C51	0007000	.	8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
19C01	01(2)	05C40	3300400	.	NAXFP	3300000
19C02	02(2)	09C02	3305700	.	NAXSR2	3305300
	03(0)					
15B08	04(2)	10C06	1066500	.	S6	1050110
15B46	05(2)	13C40	1006500	.	S0	1000110
	06(1)	13C20	1070110-1	+		1070110
18B11	07(2)	09C25	1716500	.	S71	1000112
18B12	08(2)	09C04	1706500	.	S70	1000112
19C09	09(2)	14D19	1096500	.	S9	1050114
	10(0)		3300050	I	AXFP-4	3300050
13C30	11(1)		1020110-1	+		1020112
13B40	12(2)	09C12	3303700	.	NAXSL4	3303400
13C33	13(1)		1010110-1	+		1010112
14C20	14(2)	10C50	1056500	.	S5	1040110
12B27	15(2)	19C15	7680100	I	SZL	7680100
	16(0)					
15B25	17(2)	09C09	1016500	.	S1	1000110
11C46	18(2)	13C10	1000110-1	+		1000110
16B40	19(2)	19C19	1106500	.	S10	1060114
19C20	20(2)	14C14	1056500	.	S5	1010114
16B39	21(2)	19C21	1116500	.	S11	1070114
19C22	22(2)	14C35	1046500	.	S4	1000114
19C23	23(2)	13D17	1066500	.	S6	1020114
17C30	24(2)	11D33	1052100	.	FP5	1050114
19C25	25(2)	14C36	1076500	.	S7	1030114
17C26	26(2)	11D47	1042100	.	FP4	1040114
15B15	27(2)	17C46	1072100	.	FP7	1070114
22C13	28(2)	09D33	1032100	.	FP3	1030114
15B14	29(2)	17C44	1062100	.	FP6	1060114
22C23	30(2)	08D33	1012100	.	FP1	1010114
22C20	31(2)	15B37	1002100	.	FP0	1000114
	32(0)					
19C33	33(2)	14C43	1086500	.	S8	1040114
15B34	34(2)	09D47	1022100	.	FP2	1020114
14C22	35(2)	10C37	1046500	.	S4	1030110
14C25	36(2)	13D19	1076500	.	S7	1060110
	37(0)		3301050	I	AXS-4	3301050
13C38	38(1)		1030110-1	+		1030112
13C41	39(2)	16C41	1040110-1	+		1040110
15C43	40(1)		3300700	I	NAXL	3300700
13C45	41(2)	16C46	1050110-1	+		1050114
13C47	42(2)	16C50	1060110-1	+		1060112
14C33	43(2)	14D17	1086500	.	S8	1070110
09C21	44(2)	09D19	1036500	.	S3	1020110
09C19	45(2)	13C50	1026500	.	S2	1010110
09C46	46(2)	19C46	3301700	.	NAXS	3301000
19C47	47(2)	09C47	3302800	.	NAXSL1	3302400
	48(0)					
13C49	49(0)	15C49	0003000	.	4VC	0003010
27B06	50(2)	13C35	6850250	.	(PH2.A0)	3300700
13C51	51(0)	15C51	0007000	.	8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
15C15	05(2)	16C09	3500000	I	BX-L	3500000
01C19	06(2)	10D24	1470150	I	(S/A47/1)	1470154
17C13	07(2)	17C36	3501000	.	BXBL1-L	1470154
10B38	08(2)	10D35	1482750	.	K48	1470154
30B03	09(2)	15C23	3502500	.	NBXBL2	3502200
03B34	10(2)	15C26	3502000	I	BXBL2-L	3502200
15C34	11(1)		3501000	I	BXBL1-L	3501200
22B12	12(2)	15C33	3501500	.	NBXBL1	3501200
26B29	13(2)	15C20	3499000	.	NBX	3500200
08B43	14(2)	10D29	1485500	.	PR48	1470154
15C17	15(2)	15C05	3500000	I	BX-L	3500200
	16(0)					
17C42	17(2)	15C15	3500000	I	BX-L	3500100
	18(1)	15C19	3500300	I	BX-U	3500300
15C18	19(2)	18C42	3500300	I	BX-U	3500400
15C13	20(2)	32C19	3499000	.	NBX	3500000
18B22	21(1)		6850802	.	PH8	1466500
15C50	22(2)	05C45	3204000	.	NAX	3208000
15C09	23(2)	15C24	3502500	.	NBXBL2	3502100
15C23	24(2)	05C41	3502500	.	NBXBL2	3502000
15C26	25(2)	16D31	3502000	I	BXBL2-L	3502100
15C10	26(2)	15C25	3502000	I	BXBL2-L	3502000
11C23	27(2)	15C47	3207000	I	AX-U	3208000
11B17	28(2)	02C23	1466500	I	S46	1466000
	29(0)					
26C07	30(2)	15C42	3300700	.	NAXL	3205200
	31(0)					
	32(0)					
15C12	33(2)	05C42	3501500	.	NBXBL1	3501100
15C35	34(2)	15C11	3501000	I	BXBL1-L	3501100
10D34	35(2)	15C34	3501000	I	BXBL1-L	3501000
15C41	36(2)	18C36	3501300	I	BXBL1-U	3501300
	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(1)	15C36	3501300	I	BXBL1-U	3501400
15C30	42(2)	15C43	3300700	.	NAXL	3205100
15C42	43(2)	14C40	3300700	.	NAXL	3205000
15C46	44(2)	15C45	3205000	I	AX/L	3205100
15C44	45(2)	16C45	3205000	I	AX/L	3205000
11C45	46(2)	15C44	3205000	I	AX/L	3205200
15C27	47(1)		3207000	I	AX-U	3207000
	48(0)					
14C49	49(0)	16C49	0003000		4VC	0003010
22B28	50(2)	15C22	3204000	.	NAX	3205000
14C51	51(0)	16C51	0007000		BVC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
11C01	01(1)		3850700	.	CL-11C01	1100134
	02(1)	14D12	1080100	FF	A8	1080100
	03(1)	19C13	1090110-1	+		1090116
	04(1)	14D13	1090100	FF	A9	1090100
	05(0)		1090104	NFF	NA9	1090104
17C18	06(2)	14D44	1080300	FF	B8	1080300
	07(0)		1080304	NFF	NB8	1080304
	08(1)	16C16	4601917	.	GND1917	1080310
15C05	09(2)	17C09	3500000	.	BX-L	1080330
13B35	10(2)	21C10	3303500	.	AXSL4-A	1100116
	11(1)	19C11	1100110-1	+		1100110
	12(0)		1100104	NFF	NA10	1100104
16B08	13(2)	19C04	1146500	.	S14	1100116
	14(1)	15D12	1100100	FF	A10	1100100
16C23	15(2)	21C15	3205000	.	AX/L	1100130
16C08	16(2)	16C17	4601917	-NS	GND1917	4601917
16C16	17(2)	16C20	4601917	.	GND1917	1080116
13C13	18(2)	19C18	1080110-1	+		1080116
16D24	19(1)		1080350	.	(S/B8)	1080310
16C17	20(2)	16C37	4601917	.	GND1917	1100116
	21(0)		1080104	NFF	NA8	1080104
16C38	22(2)	16C23	3205000	.	AX/L	1090130
16C22	23(2)	16C15	3205000	.	AX/L	1080130
23C20	24(2)	17D19	1136500	.	S13	1090116
16B20	25(2)	23C22	1126500	.	S12	1080116
16C43	26(1)		1050104	NFF	NA5	1050104
	27(1)	13D12	1060100	FF	A6	1060100
12C06	28(2)	16C47	1060104	NFF	NA6	1060104
	29(1)	16C42	1040104	NFF	NA4	1040104
	30(1)	11D12	1040100	FF	A4	1040100
	31(1)	11D13	1050100	FF	A5	1050100
	32(0)					
	33(1)	13D13	1070100	FF	A7	1070100
12C07	34(2)	16C35	1070104	NFF	NA7	1070104
16C34	35(1)		1070104	.	NA7	1070116
13C35	36(2)	32C21	6850250	.	(PH2.A0)	1040116
16C20	37(1)		4601917	.	GND1917	1040116
16C40	38(2)	16C22	3205000	.	AX/L	1070130
13C20	39(1)		1070110-1	+		1070116
16C44	40(2)	16C38	3205000	.	AX/L	1040130
14C39	41(1)		1040110-1	+		1040116
16C29	42(2)	12C37	1040104	.	NA4	1040116
12C50	43(2)	16C26	1050104	.	NA5	1050116
16C45	44(2)	16C40	3205000	.	AX/L	1050130
15C45	45(2)	16C44	3205000	.	AX/L	1060130
14C41	46(1)		1050110-1	+		1050110
16C28	47(1)		1060104	.	NA6	1060116
	48(0)					
15C49	49(0)	17C49	0003000	.	4VC	0003010
14C42	50(1)		1060110-1	+		1060116
15C51	51(0)	17C51	0007000	.	8VC	0007010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
22C02	01(1)	18C01	3850800	-NS	CL-17C01	3850800
	02(1)		1060350	.	(S/B6/1)	1060310
22C03	03(1)	17C28	1040300	FF	B4	1040300
	04(1)		1050350	.	(S/B5/1)	1050310
	05(0)		1040304	NFF	NB4	1040304
	06(0)					
22C04	07(1)	17C24	1050300	FF	B5	1050300
	08(1)		1040350	.	(S/B4/1)	1040310
16C09	09(2)	18C09	3500000	.	BX-L	1040330
	10(1)	17C33	1020300	.	B2	1000310
	11(0)					
	12(1)	17C14	4601916	.	GND1916	1040312
18C13	13(2)	15C07	3501000	.	BXBL1-L	1040310
17C12	14(2)	17C16	4601916	.	GND1916	1040312
	15(0)		1050304	NFF	NB5	1050304
17C14	16(2)	17C22	4601916	-NS	GND1916	4601916
22C06	17(2)	13D44	1060300	FF	B6	1060300
22C17	18(2)	16C06	1080300	.	B8	1070310
	19(0)		1060304	NFF	NB6	1060304
22C01	20(1)		1070350	.	(S/B7/1)	1070310
22C08	21(2)	13D42	1070300	FF	B7	1070300
17C16	22(2)	17C38	4601916	.	GND1916	1030314
	23(0)					
17C07	24(2)	11D42	1050300	.	B5	1030310
	25(1)	17C29	1030300	.	B3	1010310
15B18	26(2)	14C26	1042100	.	FP4	1030312
	27(0)		1070304	NFF	NB7	1070304
17C03	28(2)	11D44	1040300	.	B4	1020310
17C25	29(2)	09D42	1030300	FF	B3	1030300
15B13	30(2)	14C24	1052100	.	FP5	1020312
	31(0)		1030304	NFF	NB3	1030304
	32(0)					
17C10	33(2)	09D44	1020300	FF	B2	1020300
16D31	34(2)	18C11	3502000	.	BXBL2-L	1000310
	35(0)		1020304	NFF	NB2	1020304
15C07	36(2)	16D35	3501000	.	BXBL1-L	1000310
18C24	37(2)	17C45	1010300	FF	B1	1010300
17C22	38(1)		4601916	.	GND1916	1000312
	39(0)		1010304	NFF	NB1	1010304
18C12	40(2)	16D29	3503000	.	BXFP/L	1000312
18C28	41(2)	08D44	1000300	FF	B0	1000300
	42(1)	15C17	3500000	.	BX-L	1000330
	43(0)		1000304	NFF	NB0	1000304
14C29	44(2)	13D47	1062100	.	FP6	1010312
17C37	45(2)	08D42	1010300	.	B1	1000310
14C27	46(2)	13D33	1072100	.	FP7	1000312
	47(0)					
	48(0)					
16C49	49(0)	18C49	0003000		4VC	0003020
	50(0)					
16C51	51(0)	18C51	0007000		8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
17C01	01(1)		3850800	.	CL-17C01	1290334
18B08	02(2)	22C34	1306500	.	S30	1310310
	03(1)	20C02	1290300	FF	B29	1290300
18B10	04(2)	22C37	1316500	.	S31	1300310
	05(0)		1290304	NFF	NB29	1290304
	06(0)					
	07(1)	20C20	1300300	FF	B30	1300300
	08(1)	18C17	1310300	.	B31	1290310
17C09	09(2)	20C09	3500000	.	BX-L	1290330
	10(1)	18C33	1700300	.	B70	1300312
17C34	11(2)	20C11	3502000	.	BXBL2-L	1290310
20C12	12(2)	17C40	3503000	.	BXFP/L	1290312
20C13	13(2)	17C13	3501000	.	BXBL1-L	1290310
	14(1)	18C16	4601918	.	GND1918	1290312
	15(0)		1300304	NFF	NB30	1300304
18C14	16(2)	18C38	4601918	-NS	GND1918	4601918
18C08	17(2)	30C42	1310300	FF	B31	1310300
32B41	18(2)	13C42	6502100	.	NO2	7590200
	19(0)		1310304	NFF	NB31	1310304
16B50	20(2)	18C27	7590100	.	NSW0	7590200
	21(1)	27B19	7590600	-CON	(SW0.K46)	7590600
18C36	22(2)	20C22	3501300	.	BXBL1-U	1710314
27B17	23(2)	32C20	7590800	.	(NSW0.K46)	1710314
	24(1)	17C37	1010300	.	B1	1710310
	25(1)	18C29	1710300	.	B71	1310312
10B47	26(2)	19C31	1082100	.	FP8	1710312
18C20	27(1)		7590100	NFF	NSW0	7590100
	28(1)	17C41	1000300	.	B0	1700310
18C25	29(2)	07D42	1710300	FF	B71	1710300
10B33	30(2)	19C30	1092100	.	FP9	1700312
	31(0)		1710304	NFF	NB71	1710304
	32(0)					
18C10	33(2)	07D44	1700300	FF	B70	1700300
30B18	34(2)	20C34	3502300	.	BXBL2-U	1680310
	35(0)		1700304	NFF	NB70	1700304
15C36	36(2)	18C22	3501300	.	BXBL1-U	1680310
20C24	37(2)	18C45	1690300	FF	B69	1690300
18C16	38(1)		4601918	.	GND1918	1680312
	39(0)		1690304	NFF	NB69	1690304
12C41	40(2)	20C40	3503300	.	BXFP/U	1680312
20C28	41(2)	06D44	1680300	FF	B68	1680300
15C19	42(2)	20C42	3500300	.	BX-U	1680330
	43(0)		1680304	NFF	NB68	1680304
19C34	44(2)	15D47	1102100	.	FP10	1690312
18C37	45(2)	06D42	1690300	.	B69	1290312
19C28	46(2)	15D33	1112100	.	FP11	1680312
	47(0)					
	48(0)					
17C49	49(0)	19C49	0003000		4VC	0003020
	50(0)					
17C51	51(0)	19C51	0007000		8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
23C01	01(2)	14C01	3300400	.	NAXFP	3300100
23C02	02(2)	14C02	3305700	.	NAXSR2	3305400
	03(0)					
16C13	04(2)	23C08	1146500	.	S14	1130110
16B46	05(2)	19C33	1086500	.	S8	1100112
	06(1)	21C03	1150110-1	+		1150110
10C07	07(2)	19C25	1076500	.	S7	1080112
10C06	08(2)	19C23	1066500	.	S6	1080112
19C17	09(2)	14C09	1096500	.	S9	1130114
	10(0)		3300150	I	AXFP-5	3300150
16C11	11(1)		1100110-1	+		1100110
23C12	12(2)	09C01	3306600	.	NAXSR4	3306100
16C03	13(1)		1090110-1	+		1090110
16B03	14(2)	23C20	1136500	.	S13	1120110
14C15	15(2)	23C15	7680100	I	SZL	7680500
	16(0)					
16B25	17(2)	19C09	1096500	.	S9	1100112
16C18	18(1)		1080110-1	+		1080110
14C19	19(2)	19C45	1106500	.	S10	1140114
15B03	20(2)	14C20	1056500	.	S5	1090114
14C21	21(2)	19C44	1116500	.	S11	1150114
15B20	22(2)	14C22	1046500	.	S4	1080114
19C08	23(2)	14C23	1066500	.	S6	1100114
07B33	24(2)	20C30	1132100	.	FP13	1130114
19C07	25(2)	14C25	1076500	.	S7	1110114
07B47	26(2)	20C26	1122100	.	FP12	1120114
06B33	27(2)	20C46	1152100	.	FP15	1150114
09B33	28(2)	18C46	1112100	.	FP11	1110114
06B47	29(2)	20C44	1142100	.	FP14	1140114
18C30	30(2)	14D33	1092100	.	FP9	1090114
18C26	31(2)	14D47	1082100	.	FP8	1080114
	32(0)					
19C05	33(2)	14C33	1086500	.	S8	1120114
09B47	34(2)	18C44	1102100	.	FP10	1100114
23C22	35(2)	17D17	1126500	.	S12	1110110
21C35	36(2)	18D19	1156500	.	S15	1140110
	37(0)		3301150	I	AXS-5	3301150
	38(1)	21C39	1110110-1	+		1110114
	39(1)	21C41	1120110-1	+		1120112
	40(1)	16D08	1152750	I	K15	1152754
	41(1)	21C46	1130110-1	+		1130112
	42(1)	21C50	1140110-1	+		1140114
23C33	43(2)	21C42	1166500	.	S16	1150110
19C21	44(2)	15D19	1116500	.	S11	1100110
19C19	45(2)	15D17	1106500	.	S10	1100110
14C46	46(2)	23C46	3301700	.	NAXS	3301100
23C47	47(2)	14C47	3302800	.	NAXSL1	3302500
	48(0)					
18C49	49(0)	20C49	0003000	.	4VC	0003020
23C50	50(2)	05D37	7670020	.	NSXADD	1152754
18C51	51(0)	20C51	0007000	.	8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
18C03	01(1)	21C01	3850900	-NS	CL-20C01	3850900
	02(2)	20C18	1290300	.	B29	1270310
	03(1)	25C02	1250300	FF	B25	1250300
	04(1)	20C21	1280300	.	B28	1260310
	05(0)		1250304	NFF	NB25	1250304
	06(0)					
	07(1)	25C20	1260300	FF	B26	1260300
	08(1)	20C17	1270300	.	B27	1250310
18C09	09(2)	25C09	3500000	.	BX-L	1250330
	10(1)	20C33	1660300	.	B66	1260312
18C11	11(2)	22C07	3502000	.	BXBL2-L	1250310
22C12	12(2)	18C12	3503000	.	BXFP/L	1250312
25C13	13(2)	18C13	3501000	.	BXBL1-L	1250310
	14(1)	20C16	4601920	.	GND1920	1250312
	15(0)		1260304	NFF	NB26	1260304
20C14	16(2)	20C38	4601920	-NS	GND1920	4601920
20C08	17(2)	27D42	1270300	.	B27	1270300
20C02	18(2)	30C47	1290300	.	B29	1280310
	19(0)		1270304	NFF	NB27	1270304
18C07	20(2)	30C43	1300300	.	B30	1280310
20C04	21(2)	30C35	1280300	FF	B28	1280300
18C22	22(2)	20C36	3501300	.	BXBL1-U	1670314
26B43	23(2)	28C50	6506100	.	N06	1670314
	24(1)	18C37	1690300	.	B69	1670310
	25(1)	20C29	1670300	.	B67	1270312
19C26	26(2)	17D47	1122100	.	FP12	1670312
	27(0)		1280304	NFF	NB28	1280304
	28(1)	18C41	1680300	.	B68	1280312
20C25	29(2)	02D42	1670300	FF	B67	1670300
19C24	30(2)	17D33	1132100	.	FP13	1660312
	31(0)		1670304	NFF	NB67	1670304
	32(0)					
20C10	33(2)	02D44	1660300	FF	B66	1660300
18C34	34(2)	25C34	3502300	.	BXBL2-U	1640310
	35(0)		1660304	NFF	NB66	1660304
20C22	36(2)	25C36	3501300	.	BXBL1-U	1640310
25C24	37(2)	20C45	1650300	FF	B65	1650300
20C16	38(1)		4601920	.	GND1920	1640312
	39(0)		1650304	NFF	NB65	1650304
18C40	40(2)	22C41	3503300	.	BXFP/U	1640312
25C28	41(2)	01D44	1640300	FF	B64	1640300
18C42	42(2)	25C42	3500300	.	BX-U	1640330
	43(0)		1640304	NFF	NB64	1640304
19C29	44(2)	18D47	1142100	.	FP14	1650312
20C37	45(2)	01D42	1650300	.	B65	1250312
19C27	46(2)	18D33	1152100	.	FP15	1640312
	47(0)					
	48(0)					
19C49	49(0)	21C49	0003000		4VC	0003020
	50(0)					
19C51	51(0)	21C51	0007000		8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
20C01	01(1)		3850900	.	CL-20C01	1140134
	02(1)	21D12	1160100	FF	A16	1160100
19C06	03(1)		1150110-1	+		1150110
	04(1)	18D13	1150100	FF	A15	1150100
	05(0)		1150104	NFF	NA15	1150104
17B05	06(2)	26C19	6850200	FF	PH2	6850200
22B30	07(2)	29D30	6850202	NFF	NPH2	6850202
	08(1)	21C16	4601921	.	GND1921	6850204
	09(0)					
16C10	10(2)	21C36	3303500	.	AXSL4-A	1150116
	11(1)	23C13	1170110-1	+		1170110
	12(0)		1170104	NFF	NA17	1170104
17B03	13(2)	23C14	1216500	.	S21	1170116
	14(1)	21D13	1170100	FF	A17	1170100
16C15	15(2)	21C23	3205000	.	AX/L	1170130
21C08	16(2)	21C17	4601921	-NS	GND1921	4601921
21C16	17(2)	21C20	4601921	.	GND1921	1150116
	18(1)	23C18	1160110-1	+		1160116
17B01	19(2)	11C09	6850100	.	PH1	6850204
21C17	20(2)	21C37	4601921	.	GND1921	1170116
	21(0)		1160104	NFF	NA16	1160104
21C23	22(2)	21C38	3205000	.	AX/L	1150130
21C15	23(2)	21C22	3205000	.	AX/L	1160130
17B39	24(2)	23C21	1196500	.	S19	1150116
17B20	25(2)	28C22	1206500	.	S20	1160116
	26(0)		1130104	NFF	NA13	1130104
	27(1)	18D12	1140100	FF	A14	1140100
	28(0)		1140104	NFF	NA14	1140104
	29(0)		1120104	NFF	NA12	1120104
	30(1)	17D12	1120100	FF	A12	1120100
	31(1)	17D13	1130100	FF	A13	1130100
	32(0)					
	33(1)	15D13	1110100	FF	A11	1110100
	34(0)		1110104	NFF	NA11	1110104
23C25	35(2)	19C36	1156500	.	S15	1110116
21C10	36(2)	26C36	3303500	.	AXSL4-A	1110116
21C20	37(1)		4601921	.	GND1921	1110116
21C22	38(2)	21C40	3205000	.	AX/L	1110130
19C38	39(1)		1110110-1	+		1110116
21C38	40(2)	21C44	3205000	.	AX/L	1120130
19C39	41(1)		1120110-1	+		1120110
19C43	42(2)	21D17	1166500	.	S16	1120116
23C17	43(2)	21D19	1176500	.	S17	1130116
21C40	44(2)	21C45	3205000	.	AX/L	1130130
21C44	45(2)	26C45	3205000	.	AX/L	1140130
19C41	46(1)		1130110-1	+		1130110
23C45	47(2)	22D17	1186500	.	S18	1140116
	48(0)					
20C49	49(0)	22C49	0003000		4VC	0003020
19C42	50(1)		1140110-1	+		1140116
20C51	51(0)	22C51	0007000		8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	17C20	1070350	B	(S/B7/1)	1070350
	02(1)	17C02	1060350	B	(S/B6/1)	1060350
	03(1)	17C04	1050350	B	(S/B5/1)	1050350
	04(1)	17C08	1040350	B	(S/B4/1)	1040350
	05(0)					
	06(1)	17C17	1060300	.	B6	1040350
20C11	07(2)	25C11	3502000	.	BXBL2-L	1040350
	08(1)	17C21	1070300	.	B7	1050350
	09(0)					
	10(0)					
32B03	11(2)	15B34	1022100	.	FP2	1050350
25C12	12(2)	20C12	3503000	.	BXFP/L	1040350
15B35	13(2)	14C28	1032100	.	FP3	1040350
	14(0)					
	15(0)					
	16(0)					
	17(1)	17C18	1080300	.	B8	1060350
31C03	18(2)	16D36	1090300	.	B9	1070350
	19(0)					
32B01	20(2)	14C31	1002100	.	FP0	1070350
	21(0)					
	22(0)					
15B33	23(2)	14C30	1012100	.	FP1	1060350
	24(0)					
	25(0)					
18B20	26(2)	26C25	1286500	.	S28	1480350
	27(0)					
18B03	28(2)	28C14	1296500	.	S29	1490350
	29(0)					
28C29	30(2)	18B14	1302100	.	FP30	1490350
28C27	31(2)	18B15	1312100	.	FP31	1480350
	32(0)					
	33(0)					
18C02	34(2)	28C04	1306500	.	S30	1500350
22B20	35(2)	32C22	6850860	.	(PH8.DIV.SW1)	1480350
	36(0)					
18C04	37(2)	28C36	1316500	.	S31	1510350
	38(0)					
	39(0)					
28C26	40(2)	18B18	1292100	.	FP28	1510350
20C40	41(2)	25C40	3503300	.	BXFP/U	1480350
28C24	42(2)	18B13	1292100	.	FP29	1500350
	43(0)					
	44(1)	31C30	1500350	B	(S/B50/1)	1500350
	45(1)	31C26	1510350	B	(S/B51/1)	1510350
	46(1)	31C46	1480350	B	(S/B48/1)	1480350
	47(1)	31C44	1490350	B	(S/B49/1)	1490350
	48(0)					
21C49	49(0)	23C49	0003000		4VC	0003020
	50(0)					
21C51	51(0)	23C51	0007000		8VC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
28C01	01(2)	19C01	3300400	.	NAXFP	3300200
28C02	02(2)	19C02	3305700	.	NAXSR2	3305500
	03(0)					
17B08	04(2)	26C13	1226500	.	S22	1210110
17B46	05(2)	23C33	1166500	.	S16	1160110
	06(1)	26C03	1230110-1	+		1230110
16B10	07(2)	23C25	1156500	.	S15	1160112
19C04	08(2)	23C23	1146500	.	S14	1160112
17B25	09(2)	23C17	1176500	.	S17	1210114
	10(0)		3300250	I	AXFP-6	3300250
	11(1)	26C11	1180110-1	+		1180112
28C12	12(2)	19C12	3306600	.	NAXSR4	3306200
21C11	13(1)		1170110-1	+		1170110
21C13	14(2)	28C20	1216500	.	S21	1200110
19C15	15(2)	28C15	7680100	I	SZL	7680900
	16(0)					
23C09	17(2)	21C43	1176500	.	S17	1160110
21C18	18(1)		1160110-1	+		1160114
17B40	19(2)	23C45	1186500	.	S18	1220114
19C14	20(2)	16C24	1136500	.	S13	1170114
21C24	21(2)	23C44	1196500	.	S19	1230114
16C25	22(2)	19C35	1126500	.	S12	1160114
23C08	23(2)	18D17	1146500	.	S14	1180114
02B33	24(2)	27C30	1212100	.	FP21	1210114
23C07	25(2)	21C35	1156500	.	S15	1190114
02B47	26(2)	27C26	1202100	.	FP20	1200114
01B33	27(2)	27C46	1232100	.	FP23	1230114
04B33	28(2)	25C46	1192100	.	FP19	1190114
01B47	29(2)	27C44	1222100	.	FP22	1220114
05B33	30(2)	25C30	1172100	.	FP17	1170114
25C26	31(2)	21D47	1162100	.	FP16	1160114
	32(0)					
23C05	33(2)	19C43	1166500	.	S16	1200114
04B47	34(2)	25C44	1182100	.	FP18	1180114
28C22	35(2)	24D17	1206500	.	S20	1190110
17B10	36(2)	26C35	1236500	.	S23	1220110
	37(0)		3301250	I	AXS-6	3301250
	38(1)	26C39	1190110-1	+		1190110
	39(1)	26C41	1200110-1	+		1200110
	40(1)	05D29	7670010	I	SAXDD	7670010
	41(1)	26C46	1210110-1	+		1210114
	42(1)	26C50	1220110-1	+		1220114
28C33	43(2)	26C42	1246500	.	S24	1230110
23C21	44(2)	22D19	1196500	.	S19	1180110
23C19	45(2)	21C47	1186500	.	S18	1170110
19C46	46(2)	28C46	3301700	.	NAXS	3301200
28C47	47(2)	19C47	3302800	.	NAXSL1	3302600
	48(0)					
22C49	49(0)	24C49	0003000	.	4VC	0003020
31B31	50(2)	19C50	7670020	.	NSXADD	7670010
22C51	51(0)	24C51	0007000	.	BVC	0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
	12(0)					
	13(0)					
	14(0)					
	15(0)					
	16(0)					
	17(0)					
	18(0)					
	19(0)					
	20(0)					
	21(0)					
	22(0)					
	23(0)					
	24(0)					
	25(0)					
	26(0)					
	27(0)					
	28(0)					
	29(0)					
	30(0)					
	31(0)					
	32(0)					
	33(0)					
	34(0)					
	35(0)					
	36(0)					
	37(0)					
	38(0)					
	39(0)					
	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
23C49	49(0)	25C49	0003000	4VC		0003020
	50(0)					
23C51	51(0)	25C51	0007000	8VC		0007020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
20C03	01(1)	26C01	3851000	-NS	CL-25C01	3851000
	02(2)	25C18	1250300	.	B25	1230310
	03(1)	27C02	1210300	FF	B21	1210300
	04(1)	25C21	1240300	.	B24	1220310
	05(0)		1210304	NFF	NB21	1210304
	06(0)					
	07(1)	27C20	1220300	FF	B22	1220300
	08(1)	25C17	1230300	.	B23	1210310
20C09	09(2)	27C09	3500000	.	BX-L	1210330
01B44	10(2)	25C33	1620300	.	B62	1220312
22C07	11(2)	27C11	3502000	.	BXBL2-L	1210310
27C12	12(2)	22C12	3503000	.	BXFP/L	1210312
27C13	13(2)	20C13	3501000	.	BXBL1-L	1210310
	14(1)	25C16	4601925	.	GND1925	1210312
	15(0)		1220304	NFF	NB22	1220304
25C14	16(2)	25C22	4601925	-NS	GND1925	4601925
25C08	17(2)	25D42	1230300	FF	B23	1230300
25C02	18(2)	26D42	1250300	.	B25	1240310
	19(0)		1230304	NFF	NB23	1230304
20C07	20(2)	27D44	1260300	.	B26	1240310
25C04	21(2)	26D44	1240300	FF	B24	1240300
25C16	22(2)	25C38	4601925	.	GND1925	1630314
	23(0)					
26B25	24(2)	20C37	1650300	.	B65	1630310
01B42	25(2)	25C29	1630300	.	B63	1230312
05B47	26(2)	23C31	1162100	.	FP16	1630312
	27(0)		1240304	NFF	NB24	1240304
	28(1)	20C41	1640300	.	B64	1240312
25C25	29(1)		1630300	FF	B63	1630300
23C30	30(2)	21D33	1172100	.	FP17	1620312
	31(0)		1630304	NFF	NB63	1630304
	32(0)					
25C10	33(1)		1620300	FF	B62	1620300
20C34	34(2)	27C34	3502300	.	BXBL2-U	1600310
	35(0)		1620304	NFF	NB62	1620304
20C36	36(2)	27C36	3501300	.	BXBL1-U	1600310
27C24	37(2)	25C45	1610300	FF	B61	1610300
25C22	38(1)		4601925	.	GND1925	1600312
	39(0)		1610304	NFF	NB61	1610304
22C41	40(2)	27C40	3503300	.	BXFP/U	1600312
27C28	41(1)		1600300	FF	B60	1600300
20C42	42(2)	27C42	3500300	.	BX-U	1600330
	43(0)		1600304	NFF	NB60	1600304
23C34	44(2)	22D47	1182100	.	FP18	1610312
25C37	45(1)		1610300	.	B61	1210312
23C28	46(2)	22D33	1192100	.	FP19	1600312
	47(0)					
	48(0)					
24C49	49(0)	26C49	0003000		4VC	0003030
	50(0)					
24C51	51(0)	26C51	0007000		8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
25C01	01(1)		3851000	.	CL-25C01	1180134
	02(1)	26D12	1240100	FF	A24	1240100
23C06	03(1)		1230110-1	+		1230110
	04(1)	25D13	1230100	FF	A23	1230100
	05(0)		1230104	NFF	NA23	1230104
31B47	06(2)	10C18	6850300	FF	PH3	6850300
	07(1)	15C30	3300700	NFF	NAXL	3300710
	08(1)	26C16	4601926	.	GND1926	6850304
	09(0)					
26C36	10(2)	30C10	3303500	.	AXSL4-A	1180116
23C11	11(1)		1180110-1	+		1180116
	12(0)		1180104	NFF	NA18	1180104
23C04	13(2)	28C08	1226500	.	S22	1180116
	14(1)	22D12	1180100	FF	A18	1180100
26C23	15(2)	30C15	3205000	.	AX/L	1180130
26C08	16(2)	26C17	4601926	-NS	GND1926	4601926
26C16	17(2)	26C20	4601926	.	GND1926	1230116
	18(1)	28C18	1240110-1	+		1240116
21C06	19(2)	13C09	6850200	.	PH2	6850304
26C17	20(2)	26C37	4601926	.	GND1926	1180116
	21(0)		1240104	NFF	NA24	1240104
26C38	22(2)	26C23	3205000	.	AX/L	1230130
26C22	23(2)	26C15	3205000	.	AX/L	1240130
18B39	24(2)	28C21	1276500	.	S27	1230116
22C26	25(2)	28C35	1286500	.	S28	1240116
	26(0)		1210104	NFF	NA21	1210104
	27(1)	25D12	1220100	FF	A22	1220100
	28(0)		1220104	NFF	NA22	1220104
	29(0)		1200104	NFF	NA20	1200104
	30(1)	24D12	1200100	FF	A20	1200100
	31(1)	24D13	1210100	FF	A21	1210100
	32(0)					
	33(1)	22D13	1190100	FF	A19	1190100
	34(0)		1190104	NFF	NA19	1190104
23C36	35(2)	28C07	1236500	.	S23	1190116
21C36	36(2)	26C10	3303500	.	AXSL4-A	1190116
26C20	37(1)		4601926	.	GND1926	1190116
26C40	38(2)	26C22	3205000	.	AX/L	1190130
23C38	39(1)		1190110-1	+		1190116
26C44	40(2)	26C38	3205000	.	AX/L	1200130
23C39	41(1)		1200110-1	+		1200116
23C43	42(2)	26D17	1246500	.	S24	1200116
28C17	43(2)	26D19	1256500	.	S25	1210116
26C45	44(2)	26C40	3205000	.	AX/L	1210130
21C45	45(2)	26C44	3205000	.	AX/L	1220130
23C41	46(1)		1210110-1	+		1210116
28C45	47(2)	27D17	1266500	.	S26	1220116
	48(0)					
25C49	49(0)	27C49	0003000		4VC	0003030
23C42	50(1)		1220110-1	+		1220110
25C51	51(0)	27C51	0007000		8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
25C03	01(1)	29C01	3851100	-NS	CL-27C01	3851100
	02(2)	27C18	1210300	.	B21	1190310
	03(1)	29C02	1170300	FF	B17	1170300
	04(1)	27C21	1200300	.	B20	1180310
	05(0)		1170304	NFF	NB17	1170304
	06(0)					
	07(1)	29C20	1180300	FF	B18	1180300
	08(1)	27C17	1190300	.	B19	1170310
25C09	09(2)	29C09	3500000	.	BX-L	1170330
04B44	10(2)	27C33	1580300	.	B58	1180312
25C11	11(2)	29C11	3502000	.	BXBL2-L	1170310
29C12	12(2)	25C12	3503000	.	BXFP/L	1170312
29C13	13(2)	25C13	3501000	.	BXBL1-L	1170310
	14(1)	27C16	4601927	.	GND1927	1170312
	15(0)		1180304	NFF	NB18	1180304
27C14	16(2)	27C22	4601927	-NS	GND1927	4601927
27C08	17(2)	22D42	1190300	FF	B19	1190300
27C02	18(2)	24D42	1210300	.	B21	1200310
	19(0)		1190304	NFF	NB19	1190304
25C07	20(2)	25D44	1220300	.	B22	1200310
27C04	21(2)	24D44	1200300	FF	B20	1200300
27C16	22(2)	27C38	4601927	.	GND1927	1590314
	23(0)					
02B42	24(2)	25C37	1610300	.	B61	1590310
04B42	25(2)	27C29	1590300	.	B59	1190312
23C26	26(2)	24D47	1202100	.	FP20	1590312
	27(0)		1200304	NFF	NB20	1200304
02B44	28(2)	25C41	1600300	.	B60	1200312
27C25	29(1)		1590300	FF	B59	1590300
23C24	30(2)	24D33	1212100	.	FP21	1580312
	31(0)		1590304	NFF	NB59	1590304
	32(0)					
27C10	33(1)		1580300	FF	B58	1580300
25C34	34(2)	29C34	3502300	.	BXBL2-U	1560310
	35(0)		1580304	NFF	NB58	1580304
25C36	36(2)	29C36	3501300	.	BXBL1-U	1560310
29C24	37(2)	27C45	1570300	FF	B57	1570300
27C22	38(1)		4601927	.	GND1927	1560312
	39(0)		1570304	NFF	NB57	1570304
25C40	40(2)	29C40	3503300	.	BXFP/U	1560312
29C28	41(1)		1560300	FF	B56	1560300
25C42	42(2)	29C42	3500300	.	BX-U	1560330
	43(0)		1560304	NFF	NB56	1560304
23C29	44(2)	25D47	1222100	.	FP22	1570312
27C37	45(1)		1570300	.	B57	1170312
23C27	46(2)	25D33	1232100	.	FP23	1560312
	47(0)					
	48(0)					
26C49	49(0)	28C49	0003000		4VC	0003030
	50(0)					
26C51	51(0)	28C51	0007000		8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
26B01	01(2)	23C01	3300400	.	NAXFP	3300300
26B19	02(2)	23C02	3305700	.	NAXSR2	3305600
	03(0)					
22C34	04(2)	30C24	1306500	.	S30	1290110
18B46	05(2)	28C33	1246500	.	S24	1240110
	06(1)	30C39	1310110-1	+		1310110
26C35	07(2)	28C25	1236500	.	S23	1240112
26C13	08(2)	28C23	1226500	.	S22	1240112
18B25	09(2)	28C17	1256500	.	S25	1290114
	10(0)		3300350	I	AXFP-7	3300350
	11(1)	30C03	1260110-1	+		1260114
26B22	12(2)	23C12	3306600	.	NAXSR4	3306300
	13(1)	30C11	1250110-1	+		1250114
22C28	14(2)	30C13	1296500	.	S29	1280110
23C15	15(1)		7680100	I	SZL	7681300
	16(0)					
28C09	17(2)	26C43	1256500	.	S25	1240110
26C18	18(1)		1240110-1	+		1240110
18B40	19(2)	28C45	1266500	.	S26	1300114
23C14	20(2)	24D19	1216500	.	S21	1250114
26C24	21(2)	28C44	1276500	.	S27	1310114
21C25	22(2)	23C35	1206500	.	S20	1240114
28C08	23(2)	25D17	1226500	.	S22	1260114
30D33	24(2)	22C42	1292100	.	FP29	1290114
28C07	25(2)	25D19	1236500	.	S23	1270114
30D47	26(2)	22C40	1282100	.	FP28	1280114
31D33	27(2)	22C31	1312100	.	FP31	1310114
29C46	28(2)	18B35	1272100	.	FP27	1270114
31D47	29(2)	22C30	1302100	.	FP30	1300114
29C30	30(2)	18B33	1252100	.	FP25	1250114
26D47	31(2)	29C26	1242100	.	FP24	1240114
	32(0)					
28C05	33(2)	23C43	1246500	.	S24	1280114
29C44	34(2)	18B34	1262100	.	FP26	1260114
26C25	35(2)	30D17	1286500	.	S28	1270110
22C37	36(2)	30C25	1316500	.	S31	1300110
	37(0)		3301340	I	AXS-7	3301340
	38(1)	30C18	1270110-1	+		1270110
	39(1)	30C41	1280110-1	+		1280112
26B21	40(1)		6506000	I	06	6506000
	41(1)	30C46	1290110-1	+		1290110
	42(1)	30C50	1300110-1	+		1300110
19D29	43(2)	31C41	1480300	.	B48	1310110
28C21	44(2)	27D19	1276500	.	S27	1260110
28C19	45(2)	26C47	1266500	.	S26	1250110
23C46	46(2)	32C23	3301700	.	NAXS	3301300
26B26	47(2)	23C47	3302800	.	NAXSL1	3302700
	48(0)					
27C49	49(0)	29C49	0003000	.	4VC	0003030
20C23	50(2)	32B42	6506100	.	N06	6506000
27C51	51(0)	29C51	0007000	.	BVC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
27C01	01(1)		3851100	.	CL-27C01	1130334
27C03	02(2)	29C18	1170300	.	B17	1150310
	03(1)	31C02	1130300	FF	B13	1130300
	04(1)	29C21	1160300	.	B16	1140310
	05(0)		1130304	NFF	NB13	1130304
	06(0)					
	07(1)	31C20	1140300	FF	B14	1140300
	08(1)	29C17	1150300	.	B15	1130310
27C09	09(2)	31C09	3500000	.	BX-L	1130330
06B44	10(2)	29C33	1540300	.	B54	1140312
27C11	11(2)	31C11	3502000	.	BXBL2-L	1130310
31C12	12(2)	27C12	3503000	.	BXFP/L	1130312
31C13	13(2)	27C13	3501000	.	BXBL1-L	1130310
	14(1)	29C16	4601929	.	GND1929	1130312
	15(0)		1140304	NFF	NB14	1140304
29C14	16(2)	29C22	4601929	-NS	GND1929	4601929
29C08	17(2)	18D42	1150300	FF	B15	1150300
29C02	18(2)	21D42	1170300	.	B17	1160310
	19(0)		1150304	NFF	NB15	1150304
27C07	20(2)	22D44	1180300	.	B18	1160310
29C04	21(2)	21D44	1160300	FF	B16	1160300
29C16	22(2)	29C38	4601929	.	GND1929	1550314
	23(0)					
05B42	24(2)	27C37	1570300	.	B57	1550310
06B42	25(2)	29C29	1550300	.	B55	1150312
28C31	26(2)	18B37	1242100	.	FP24	1550312
	27(0)		1160304	NFF	NB16	1160304
05B44	28(2)	27C41	1560300	.	B56	1160312
29C25	29(1)		1550300	FF	B55	1550300
26D33	30(2)	28C30	1252100	.	FP25	1540312
	31(0)		1550304	NFF	NB55	1550304
	32(0)					
29C10	33(1)		1540300	FF	B54	1540300
27C34	34(2)	31C34	3502300	.	BXBL2-U	1520310
	35(0)		1540304	NFF	NB54	1540304
27C36	36(2)	31C36	3501300	.	BXBL1-U	1520310
31C24	37(2)	29C45	1530300	FF	B53	1530300
29C22	38(1)		4601929	.	GND1929	1520312
	39(0)		1530304	NFF	NB53	1530304
27C40	40(2)	32C24	3503300	.	BXFP/U	1520312
31C28	41(1)		1520300	FF	B52	1520300
27C42	42(2)	31C42	3500300	.	BX-U	1520330
	43(0)		1520304	NFF	NB52	1520304
27D47	44(2)	28C34	1262100	.	FP26	1530312
29C37	45(1)		1530300	.	B53	1130312
27D33	46(2)	28C28	1272100	.	FP27	1520312
	47(0)					
	48(0)					
28C49	49(0)	30C49	0003000	.	4VC	0003030
	50(0)					
28C51	51(0)	30C51	0007000	.	8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
31B01	01(1)		3850300	.	CL-31B01	1250134
	02(1)	27D13	1270100	FF	A27	1270100
28C11	03(1)		1260110-1	+		1260110
27D12	04(1)		1260100	FF	A26	1260100
	05(0)		1260104	NFF	NA26	1260104
31B19	06(1)		6850900	FF	PH9	6850900
26B11	07(1)		6850902	NFF	NPH9	6850902
	08(1)	30C16	4601930	.	GND1930	6850904
	09(0)					
26C10	10(2)	32C15	3303500	.	AXSL4-A	1250116
28C13	11(1)		1250110-1	+		1250116
	12(0)		1250104	NFF	NA25	1250104
28C14	13(2)	30D19	1296500	.	S29	1250116
	14(1)	26D13	1250100	FF	A25	1250100
26C15	15(2)	30C23	3205000	.	AX/L	1250130
30C08	16(2)	30C17	4601930	-NS	GND1930	4601930
30C16	17(2)	30C20	4601930	.	GND1930	1260116
28C38	18(1)		1270110-1	+		1270110
29B14	19(2)	32C40	4390050	.	FPRR	6850904
30C17	20(2)	30C37	4601930	.	GND1930	1250116
	21(0)		1270104	NFF	NA27	1270104
30C23	22(2)	30C38	3205000	.	AX/L	1260130
30C15	23(2)	30C22	3205000	.	AX/L	1270130
28C04	24(2)	31D17	1306500	.	S30	1260116
28C36	25(2)	31D19	1316500	.	S31	1270116
	26(0)		1290104	NFF	NA29	1290104
	27(1)	31D12	1300100	FF	A30	1300100
	28(0)		1300104	NFF	NA30	1300104
	29(0)		1280104	NFF	NA28	1280104
	30(1)	30D12	1280100	FF	A28	1280100
	31(1)	30D13	1290100	FF	A29	1290100
	32(0)					
	33(1)	31D13	1310100	FF	A31	1310100
	34(0)		1310104	NFF	NA31	1310104
20C21	35(2)	30D44	1280300	.	B28	1310116
26B18	36(2)	32C25	3003000	.	A2831XB	1280116
30C20	37(1)		4601930	.	GND1930	1280116
30C22	38(2)	30C40	3205000	.	AX/L	1310130
28C06	39(1)		1310110-1	+		1310110
30C38	40(2)	30C44	3205000	.	AX/L	1280130
28C39	41(1)		1280110-1	+		1280116
18C17	42(2)	31D42	1310300	.	B31	1280116
20C20	43(2)	31D44	1300300	.	B30	1290116
30C40	44(2)	30C45	3205000	.	AX/L	1290130
30C44	45(2)	32C26	3205000	.	AX/L	1300130
28C41	46(1)		1290110-1	+		1290110
20C18	47(2)	30D42	1290300	.	B29	1300116
	48(0)					
29C49	49(0)	31C49	0003000		4VC	0003030
28C42	50(1)		1300110-1	+		1300110
29C51	51(0)	31C51	0007000		8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
29C03	01(1)	31D09	3851400	.	CL-31D09	1100334
	02(2)	31C18	1130300	.	B13	1110310
	03(1)	22C18	1090300	FF	B9	1090300
	04(1)	31C21	1120300	.	B12	1100310
	05(0)		1090304	NFF	NB9	1090304
	06(0)					
	07(1)	16D30	1100300	FF	B10	1100300
	08(1)	31C17	1110300	.	B11	1090310
29C09	09(2)	32C08	3500000	.	BX-L	1100330
09B44	10(2)	31C33	1500300	.	B50	1100312
29C11	11(2)	32C10	3502000	.	BXBL2-L	1100310
32C13	12(2)	29C12	3503000	.	BXFP/L	1100312
32C12	13(2)	29C13	3501000	.	BXBL1-L	1100310
	14(1)	31C16	4601931	.	GND1931	1100312
	15(0)		1100304	NFF	NB10	1100304
31C14	16(2)	31C22	4601931	-NS	GND1931	4601931
31C08	17(2)	15D42	1110300	FF	B11	1110300
31C02	18(2)	17D42	1130300	.	B13	1120310
	19(0)		1110304	NFF	NB11	1110304
29C07	20(2)	18D44	1140300	.	B14	1120310
31C04	21(2)	17D44	1120300	FF	B12	1120300
31C16	22(2)	31C38	4601931	.	GND1931	1510314
	23(0)					
07B42	24(2)	29C37	1530300	.	B53	1510310
09B42	25(2)	31C29	1510300	.	B51	1110312
22C45	26(1)		1510350	.	(S/B51/1)	1510312
	27(0)		1120304	NFF	NB12	1120304
07B44	28(2)	29C41	1520300	.	B52	1120312
31C25	29(1)		1510300	FF	B51	1510300
22C44	30(1)		1500350	.	(S/B50/1)	1500312
	31(0)		1510304	NFF	NB51	1510304
	32(0)					
31C10	33(1)		1500300	FF	B50	1500300
29C34	34(2)	32C34	3502300	.	BXBL2-U	1480310
	35(0)		1500304	NFF	NB50	1500304
29C36	36(2)	32C36	3501300	.	BXBL1-U	1480310
10B42	37(2)	31C45	1490300	FF	B49	1490300
31C22	38(1)		4601931	.	GND1931	1480312
	39(1)	23D35	1490304	NFF	NB49	1490304
	40(0)					
28C43	41(1)		1480300	FF	B48	1480300
29C42	42(2)	32C42	3500300	.	BX-U	1480330
	43(1)	19D35	1480304	NFF	NB48	1480304
22C47	44(1)		1490350	.	(S/B49/1)	1490312
31C37	45(2)	23D29	1490300	.	B49	1480310
22C46	46(1)		1480350	.	(S/B48/1)	1480312
	47(0)					
	48(0)					
30C49	49(0)	32C49	0003000		4VC	0003030
	50(0)					
30C51	51(0)	32C51	0007000		BVC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
31B10	01(1)		7670100	T	N(S/SXAMD)	
31B13	02(1)		7660700	T	N(S/SXA+S/SXD)	
31B24	03(1)		7672200	T	N(S/SXMA+S/SXMD)	
	04(1)	29B40	6910000	T	NPRXAD	
	05(1)	29B50	6910720	T	NPRXAND	
	06(0)					
30B50	07(1)		7520400	T	(SDIS.NKSXA)	
31C09	08(1)		3500000	T	BX-L	
31B36	09(1)		7670150	T	N(S/SXAPD)	
31C11	10(1)		3502000	T	BXBL2-L	
31B35	11(1)		7660800	T	N(S/SXA+S/SXMD)	
	12(1)	31C13	3501000	T	BXBL1-L	
	13(1)	31C12	3503000	T	BXFP/L	
31B42	14(1)		7672100	T	N(S/SXMA+S/SXD)	
30C10	15(1)		3303500	T	AXSL4-A	
	16(0)					
	17(1)	27B14	1000100	T	A0	
20B08	18(1)		7670171	T	(S/SXAPD/2)	
15C20	19(1)		3499000	T	NBX	
18C23	20(1)		7590800	T	(NSW0.K46)	
16C36	21(1)		6850250	T	(PH2.A0)	
22C35	22(1)		6850860	T	(PH8.DIV.SW1)	
28C46	23(1)		3301700	T	NAXS	
29C40	24(1)		3503300	T	BXFP/U	
30C36	25(1)		3003000	T	A2831XB	
30C45	26(1)		3205000	T	AX/L	
30D01	27(1)		1285500	T	PR28	
30D02	28(1)		1295500	T	PR29	
31D01	29(1)		1305500	T	PR30	
31D02	30(1)		1315500	T	PR31	
	31(0)					
	32(0)					
29D39	33(1)		1265500	T	PR26	
31C34	34(1)		3502300	T	BXBL2-U	
29D42	35(1)		1272750	T	K27	
31C36	36(1)		3501300	T	BXBL1-U	
29D43	37(1)		1245500	T	PR24	
29D40	38(1)		1255500	T	PR25	
29D41	39(1)		1275500	T	PR27	
30C19	40(1)		4390050	T	FPRR	
31D20	41(1)		6910820	T	PRXAND/7	
31C42	42(1)		3500300	T	BX-U	
	43(1)	31D21	4610080	T	GXAD/7	
31D26	44(1)		6912600	T	PRXNAND/7	
31D25	45(1)		4620000	T	GXAND/7	
31D27	46(1)		6911720	T	PRXNAD/7	
31D29	47(1)		6910150	T	PRXAD/7	
	48(0)					
31C49	49(0)		0003000		4VC	0003030
31D45	50(1)		7671100	T	SXFP/A	
31C51	51(0)		0007000		8VC	0007030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03D43	1645500	B	PR64	1645500
	02(1)	03D40	1655500	B	PR65	1655500
01B03	03(2)	02D03	3992400	.	DXS-U	1641312
	04(1)	03D46	1642500	B	G64	1642500
	05(0)		1640500	B	C64	1640500
	06(1)	03D44	1652500	B	G65	1652500
01B07	07(2)	02D07	3990400	.	DX-U	1641330
	08(0)					
	09(1)	02D09	3851200	.	CL-07D09	1641334
	10(0)					
01B11	11(2)	02D11	3990900	.	DXA-U	1641310
06C33	12(2)	01D24	1640100	.	A64	1641310
06C02	13(2)	01D18	1650100	.	A65	1651310
	14(1)	01D16	4601803	.	GND1803	1641312
	15(0)		1650500	B	C65	1650500
01D14	16(2)	01D22	4601803	-NS	GND1803	4601803
04C43	17(1)		1646500	I	S64	1646500
01D13	18(1)		1650100	.	A65	1650140
04C09	19(1)		1656500	B	S65	1656502
01B20	20(2)	04D13	6910940	.	PRXAND/B	1645502
01B21	21(2)	04D14	4610200	.	GXAD/B	1642500
01D16	22(2)	01D31	4601803	.	GND1803	1642500
	23(1)	01D30	1651300	FF	D65	1651300
01D12	24(1)		1640100	.	A64	1640140
01B25	25(2)	04D17	4620200	.	GXAND/B	1642502
01B26	26(2)	04D15	6912740	.	PRXNAND/B	1645502
01B27	27(2)	04D18	6911820	.	PRXNAD/B	1645500
01B36	28(2)	01D39	1641300	FF	D64	1641300
01B29	29(2)	04D19	6910440	.	PRXAD/B	1645500
01D23	30(2)	02D35	1651300	.	D65	1640500
01D22	31(2)	01D41	4601803	.	GND1803	1640502
	32(0)					
04D31	33(2)	26D33	1252100	.	FP25	1656506
01B34	34(2)	02D34	3991400	.	DXDL1-U	1640500
01B30	35(1)		1631300	.	D63	1640502
02D39	36(1)		1661300	.	D66	1650500
01B37	37(2)	02D37	3991900	.	DXDR1-U	1640502
03D26	38(1)		1642750	.	K64	1646500
01D28	39(1)		1641300	.	D64	1650502
01D41	40(1)		4601803	.	GND1803	1640500
01D31	41(2)	01D40	4601803	.	GND1803	1646504
20C45	42(1)		1650300	.	B65	1656504
01B43	43(2)	02D43	7670300	.	SXB-U	1646504
20C41	44(1)		1640300	.	B64	1646504
01B45	45(2)	02D45	7671300	.	SXFP/U	1646506
03D27	46(1)		1652750	.	K65	1656502
04D43	47(2)	26D47	1242100	.	FP24	1646506
	48(0)					
	49(0)	02D49	0004000	-VSP	4VD	0004000
	50(0)					
	51(0)	02D51	0008000	-VSP	8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03D39	1665500	B	PR66	1665500
	02(1)	03D41	1675500	B	PR67	1675500
01D03	03(2)	06D03	3992400	.	DXS-U	1661312
	04(1)	03D50	1662500	B	G66	1662500
	05(0)		1660500	B	C66	1660500
	06(1)	03D47	1672500	B	G67	1672500
01D07	07(2)	06D07	3990400	.	DX-U	1661330
	08(0)					
01D09	09(2)	06D09	3851200	.	CL-07D09	1661334
	10(0)					
01D11	11(2)	06D11	3990900	.	DXA-U	1661310
06C14	12(2)	02D24	1660100	.	A66	1661310
06C30	13(2)	02D18	1670100	.	A67	1671310
	14(1)	02D16	4601804	.	GND1804	1661312
	15(0)		1670500	B	C67	1670500
02D14	16(2)	02D22	4601804	-NS	GND1804	4601804
04C19	17(1)		1666500	I	S66	1666500
02D13	18(1)		1670100	.	A67	1670140
04C21	19(1)		1676500	I	S67	1676500
06D20	20(2)	04D20	6911020	.	PRXAND/C	1665502
06D21	21(2)	04D21	4610300	.	GXAD/C	1662500
02D16	22(2)	02D31	4601804	.	GND1804	1662500
	23(1)	02D30	1671300	FF	D67	1671300
02D12	24(1)		1660100	.	A66	1660140
06D25	25(2)	04D25	4620300	.	GXAND/C	1662502
06D26	26(2)	04D26	6912760	.	PRXNAND/C	1665502
06D27	27(2)	04D27	6912020	.	PRXNAD/C	1665500
	28(1)	02D39	1661300	FF	D66	1661300
06D29	29(2)	04D30	6910520	.	PRXAD/C	1665500
02D23	30(2)	06D35	1671300	.	D67	1660500
02D22	31(2)	02D41	4601804	.	GND1804	1660502
	32(0)					
04D33	33(2)	27D33	1272100	.	FP27	1676506
01D34	34(2)	06D34	3991400	.	DXDL1-U	1660500
01D30	35(1)		1651300	.	D65	1660502
	36(1)	06D39	1681300	.	D68	1670500
01D37	37(2)	06D37	3991900	.	DXDR1-U	1660502
03D25	38(1)		1662750	.	K66	1666502
02D28	39(2)	01D36	1661300	.	D66	1670502
02D41	40(1)		4601804	.	GND1804	1660500
02D31	41(2)	02D40	4601804	.	GND1804	1666504
20C29	42(1)		1670300	.	B67	1676504
01D43	43(2)	06D43	7670300	.	SXB-U	1666504
20C33	44(1)		1660300	.	B66	1666504
01D45	45(2)	06D45	7671300	.	SXFP/U	1666506
04D46	46(2)	03D42	1672750	.	K67	1676500
04D44	47(2)	27D47	1262100	.	FP26	1666506
	48(0)					
01D49	49(0)	03D49	0004000		4VD	0004000
	50(0)					
01D51	51(0)	03D51	0008000		8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
07D04	01(1)		1702500	.	G70	4500801
06D04	02(1)		1682500	.	G68	4500800
	03(0)					
06D06	04(1)		1692500	.	G69	4500801
06D01	05(1)		1685500	.	PR68	4500801
07D06	06(1)		1712500	.	G71	4500802
07D02	07(1)		1715500	.	PR71	1682751
04D10	08(2)	07D46	1712760	.	K71-1	1682751
07D01	09(1)		1705500	.	PR70	4500802
06D02	10(1)		1695500	.	PR69	4500801
	11(1)	03D16	4601805	.	GND1805	4500802
10C39	12(1)		4304100	.	NF4	4321100
10C38	13(1)		4305100	.	NF5	4321100
12C27	14(1)		4306100	.	NF6	4321100
12C28	15(1)		4307100	.	NF7	4321100
03D11	16(2)	03D38	4601805	-NS	GND1805	4601805
	17(1)	05D06	4500800	B	G6871	4500800
	18(1)	06D46	1692750	B	K69	1692750
	19(1)	06D38	1682750	B	K68	1682750
	20(1)	07D38	1702750	B	K70	1702750
	21(1)	05D07	6900440	B	PR6871	6900440
07C04	22(2)	04D22	4321000	B	FDC3	4321100
	23(1)	05D09	6900420	B	PR6467	6900420
07C29	24(1)		4490000	B	FX	4490000
	25(1)	02D38	1662750	B	K66	1662750
	26(1)	01D38	1642750	B	K64	1642750
	27(1)	01D46	1652750	B	K65	1652750
	28(1)	05D01	4500750	B	G6467	4500750
07C34	29(1)		4491000	.	FXD	4490100
03C06	30(1)		6850100	.	PH1	4490000
	31(0)					
	32(0)					
	33(0)					
	34(0)					
	35(0)					
	36(0)					
03D38	37(1)		4601805	.	GND1805	4490000
03D16	38(2)	03D37	4601805	.	GND1805	4500752
02D01	39(1)		1665500	.	PR66	4500752
01D02	40(1)		1655500	.	PR65	4500752
02D02	41(1)		1675500	.	PR67	1642751
02D46	42(2)	05D20	1672750	.	K67	1642751
01D01	43(1)		1645500	.	PR64	4500752
01D06	44(1)		1652500	.	G65	4500751
	45(0)					
01D04	46(1)		1642500	.	G64	4500750
02D06	47(1)		1672500	.	G67	4500752
	48(0)					
02D49	49(0)	04D49	0004000		4VD	0004000
02D04	50(1)		1662500	.	G66	4500751
02D51	51(0)	04D51	0008000		8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
05001	01(1)		4500750	T	G6467	
07003	02(1)		3992400	T	DXS-U	
05002	03(1)		4500600	T	G5659	
05005	04(1)		6900360	T	PR5659	
05004	05(1)		4500700	T	G6063	
05007	06(1)		6900440	T	PR6871	
05006	07(1)		4500800	T	G6871	
05009	08(1)		6900420	T	PR6467	
	09(1)	05D08	1712750	T	K71	
	10(1)	03D08	1712760	T	K71-1	
05D10	11(1)		6900400	T	PR6063	
07007	12(1)		3990400	T	DX-U	
01D20	13(1)		6910940	T	PRXAND/B	
01D21	14(1)		4610200	T	GXAD/B	
01D26	15(1)		6912740	T	PRXNAND/B	
	16(0)					
01D25	17(1)		4620200	T	GXAND/B	
01D27	18(1)		6911820	T	PRXNAD/B	
01D29	19(1)		6910440	T	PRXAD/B	
02D20	20(1)		6911020	T	PRXAND/C	
02D21	21(1)		4610300	T	GXAD/C	
03D22	22(1)		4321000	T	FDC3	
05D22	23(1)		4081000	T	EUC3	
07D34	24(1)		3991400	T	DXDL1-U	
02D25	25(1)		4620300	T	GXAND/C	
02D26	26(1)		6912760	T	PRXNAND/C	
02D27	27(1)		6912020	T	PRXNAD/C	
05D34	28(1)		3930400	T	DIT	
05D29	29(1)		7670010	T	SAXDD	7670010
02D29	30(1)		6910520	T	PRXAD/C	
	31(1)	01D33	1252100	T	FP25	
	32(0)					
	33(1)	02D33	1272100	T	FP27	
	34(1)	06D33	1292100	T	FP29	
05D31	35(1)		6850675	T	(PH6.N06)	
07D37	36(1)		3991900	T	DXDR1-U	
05D30	37(1)		1465500	T	PR46	
05D39	38(1)		6900340	T	PR5255	
05D38	39(1)		6900300	T	PR4771	
05D41	40(1)		6900380	T	PR5671	
05D40	41(1)		6900320	T	PR4851	
	42(1)	06D47	1282100	T	FP28	
	43(1)	01D47	1242100	T	FP24	
	44(1)	02D47	1262100	T	FP26	
05D44	45(1)		4500500	T	G4851	
	46(1)	02D46	1672750	T	K67	
05D47	47(1)		4500650	T	G5671	
	48(0)					
03D49	49(0)	05D49	0004000		4VD	0004000
05D50	50(1)		4500550	T	G5255	
03D51	51(0)	05D51	0008000		8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
03D28	01(2)	04D01	4500750	.	G6467	4500651
03B28	02(2)	04D03	4500600	.	G5659	4500650
	03(0)					
03B17	04(2)	04D05	4500700	.	G6063	4500650
03B23	05(2)	04D04	6900360	.	PR5659	4500652
03D17	06(2)	04D07	4500800	.	G6871	4500652
03D21	07(2)	04D06	6900440	.	PR6871	1592752
04D09	08(2)	05D42	1712750	.	K71	1592752
03D23	09(2)	04D08	6900420	.	PR6467	4500652
03B21	10(2)	04D11	6900400	.	PR6063	4500652
	11(1)	05D16	4601806	.	GND1806	4500651
10C33	12(1)		4004000	.	E4	4081100
10C25	13(1)		4005000	.	E5	4081100
10C47	14(1)		4006000	.	E6	4081100
10C45	15(1)		4007000	.	E7	4081100
05D11	16(1)		4601806	-NS	GND1806	4601806
	17(1)	05D47	4500650	B	G5671	4500650
01B46	18(1)		1632750	B	K63	1632750
04B46	19(1)		1592750	B	K59	1592750
03D42	20(1)		1672750	B	K67	1672750
	21(1)	05D41	6900380	B	PR5671	6900380
08C43	22(2)	04D23	4081000	B	EUC3	4081100
	23(1)	05D38	6900300	B	PR4771	6900300
	24(1)	08B31	7670171	B	(S/SXAPD/2)	7670171
06B46	25(1)		1552750	B	K55	1552750
	26(1)	11B46	1472750	B	K47	1472750
08B42	27(1)		1512750	B	K51	1512750
08B29	28(1)		1462750	B	K46	1462750
23C40	29(2)	04D29	7670010	.	SAXDD	7670171
03B29	30(2)	04D37	1465500	.	PR46	7670173
13B01	31(2)	04D35	6850675	.	(PH6.N06)	7670173
	32(0)					
11C06	33(2)	14D10	5980000	.	MWN	7670171
12B37	34(2)	04D28	3930400	.	DIT	7670171
11C07	35(1)		5980100	.	NMWN	7670173
	36(0)					
19C50	37(1)		7670020	.	NSXADD	7670173
05D23	38(2)	04D39	6900300	.	PR4771	1462751
08B21	39(2)	04D38	6900340	.	PR5255	1462752
08B23	40(2)	04D41	6900320	.	PR4851	1462752
05D21	41(2)	04D40	6900380	.	PR5671	1472752
05D08	42(2)	05D45	1712750	.	K71	1472752
11B02	43(1)		1475500	.	PR47	1462752
08B28	44(2)	04D45	4500500	.	G4851	1462750
05D42	45(2)	10D12	1712750	.	K71	1462751
11B06	46(1)		1472500	.	G47	1462750
05D17	47(2)	04D47	4500650	.	G5671	1462752
	48(0)					
04D49	49(0)	06D49	0004000	.	4VD	0004000
08B17	50(2)	04D50	4500550	.	G5255	1462751
04D51	51(0)	06D51	0008000	.	8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03D05	1685500	B	PR68	1685500
	02(1)	03D10	1695500	B	PR69	1695500
02D03	03(2)	07D03	3992400	.	DXS-U	1681312
	04(1)	03D02	1682500	B	G68	1682500
	05(0)		1680500	B	C68	1680500
	06(1)	03D04	1692500	B	G69	1692500
02D07	07(2)	07D07	3990400	.	DX-U	1681330
	08(0)					
02D09	09(2)	07D09	3851200	.	CL-07D09	1681334
	10(0)					
02D11	11(2)	07D11	3990900	.	DXA-U	1681310
06C31	12(2)	06D24	1680100	.	A68	1681310
11C04	13(2)	06D18	1690100	.	A69	1691310
	14(1)	06D16	4601807	.	GND1807	1681312
	15(0)		1690500	B	C69	1690500
06D14	16(2)	06D22	4601807	-NS	GND1807	4601807
11C43	17(1)		1686500	I	S68	1686500
06D13	18(1)		1690100	.	A69	1690140
11C42	19(1)		1696500	I	S69	1696500
07D20	20(2)	02D20	6911020	.	PRXAND/C	1685502
07D21	21(2)	02D21	4610300	.	GXAD/C	1682500
06D16	22(2)	06D31	4601807	.	GND1807	1682500
	23(1)	06D30	1691300	FF	D69	1691300
06D12	24(1)		1680100	.	A68	1680140
07D25	25(2)	02D25	4620300	.	GXAND/C	1682502
07D26	26(2)	02D26	6912760	.	PRXNAND/C	1685502
07D27	27(2)	02D27	6912020	.	PRXNAD/C	1685500
06D39	28(1)		1681300	FF	D68	1681300
07D29	29(2)	02D29	6910520	.	PRXAD/C	1685500
06D23	30(2)	07D35	1691300	.	D69	1680500
06D22	31(2)	06D41	4601807	.	GND1807	1680502
	32(0)					
04D34	33(2)	30D33	1292100	.	FP29	1696506
02D34	34(2)	07D34	3991400	.	DXDL1-U	1680500
02D30	35(1)		1671300	.	D67	1680502
07D39	36(1)		1701300	.	D70	1690500
02D37	37(2)	07D37	3991900	.	DXDR1-U	1680502
03D19	38(1)		1682750	.	K68	1686500
02D36	39(2)	06D28	1681300	.	D68	1690502
06D41	40(1)		4601807	.	GND1807	1680500
06D31	41(2)	06D40	4601807	.	GND1807	1686504
18C45	42(1)		1690300	.	B69	1696504
02D43	43(2)	07D43	7670300	.	SXB-U	1686504
18C41	44(1)		1680300	.	B68	1686504
02D45	45(2)	07D45	7671300	.	SXFP/U	1686506
03D18	46(1)		1692750	.	K69	1696500
04D42	47(2)	30D47	1282100	.	FP28	1686506
	48(0)					
05D49	49(0)	07D49	0004000	4VD		0004000
	50(0)					
05D51	51(0)	07D51	0008000	8VD		0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	03D09	1705500	B	PR70	1705500
	02(1)	03D07	1715500	B	PR71	1715500
06D03	03(2)	04D02	3992400	.	DXS-U	1701312
	04(1)	03D01	1702500	B	G70	1702500
	05(0)		1700500	B	C70	1700500
	06(1)	03D06	1712500	B	G71	1712500
06D07	07(2)	04D12	3990400	.	DX-U	1701330
	08(0)					
06D09	09(2)	08D09	3851200	-NS	CL-07D09	3851200
	10(0)					
06D11	11(2)	05C50	3990900	.	DXA-U	1701310
11C02	12(2)	07D24	1700100	.	A70	1701310
11C14	13(2)	07D18	1710100	.	A71	1711310
	14(1)	07D16	4601808	.	GND1808	1701312
	15(0)		1710500	B	C71	1710500
07D14	16(2)	07D22	4601808	-NS	GND1808	4601808
11C35	17(1)		1706500	I	S70	1706500
07D13	18(1)		1710100	.	A71	1710140
11C47	19(1)		1716500	I	S71	1716500
08D20	20(2)	06D20	6911020	.	PRXAND/C	1705502
08D21	21(2)	06D21	4610300	.	GXAD/C	1702500
07D16	22(2)	07D31	4601808	.	GND1808	1702500
	23(1)	07D30	1711300	FF	D71	1711300
07D12	24(1)		1700100	.	A70	1700140
08D25	25(2)	06D25	4620300	.	GXAND/C	1702502
08D26	26(2)	06D26	6912760	.	PRXNAND/C	1705502
08D27	27(2)	06D27	6912020	.	PRXNAD/C	1705500
	28(1)	07D39	1701300	FF	D70	1701300
08D29	29(2)	06D29	6910520	.	PRXAD/C	1705500
07D23	30(2)	08D35	1711300	.	D71	1700500
07D22	31(2)	07D41	4601808	.	GND1808	1700502
	32(0)					
12D25	33(2)	31D33	1312100	.	FP31	1716506
06D34	34(2)	04D24	3991400	.	DXDL1-U	1700500
06D30	35(1)		1691300	.	D69	1700502
08D39	36(1)		1001300	.	D0	1710500
06D37	37(2)	04D36	3991900	.	DXDR1-U	1700502
03D20	38(1)		1702750	.	K70	1706500
07D28	39(2)	06D36	1701300	.	D70	1710502
07D41	40(1)		4601808	.	GND1808	1700500
07D31	41(2)	07D40	4601808	.	GND1808	1706504
18C29	42(1)		1710300	.	B71	1716504
06D43	43(2)	12D22	7670300	.	SXB-U	1706504
18C33	44(1)		1700300	.	B70	1706504
06D45	45(2)	12D23	7671300	.	SXFP/U	1706506
03D08	46(2)	10D22	1712760	.	K71-1	1716500
12D42	47(2)	31D47	1302100	.	FP30	1706506
	48(0)					
06D49	49(0)	08D49	0004000		4VD	0004000
	50(0)					
06D51	51(0)	08D51	0008000		8VD	0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	10D43	1005500	B	PRO	1005500
	02(1)	10D40	1015500	B	PR1	1015500
09D03	03(2)	12D03	3992100	.	DXS/L	1001312
	04(1)	10D46	1002500	B	G0	1002500
	05(0)		1000500	B	C0	1000500
	06(1)	10D44	1012500	B	G1	1012500
09D07	07(2)	12D07	3990000	.	DX/L	1001330
	08(0)					
07D09	09(2)	09D09	3851200	.	CL-07D09	1001334
	10(0)					
09D11	11(2)	12D11	3990600	.	DXA-L	1001310
11C31	12(2)	08D24	1000100	.	A0	1001310
11C30	13(2)	08D18	1010100	.	A1	1011310
	14(1)	08D16	4601809	.	GND1809	1001312
	15(0)		1010500	B	C1	1010500
08D14	16(2)	08D22	4601809	-NS	GND1809	4601809
08C37	17(1)		1006500	I	S0	1006500
08D13	18(1)		1010100	.	A1	1010140
08C50	19(1)		1016500	B	S1	1016502
09D20	20(2)	07D20	6911020	.	PRXAND/C	1005502
09D21	21(2)	07D21	4610300	.	GXAD/C	1002500
08D16	22(2)	08D31	4601809	.	GND1809	1002500
07C42	23(2)	08D30	1011300	FF	D1	1011300
08D12	24(1)		1000100	.	A0	1000140
09D25	25(2)	07D25	4620300	.	GXAND/C	1002502
09D26	26(2)	07D26	6912760	.	PRXNAND/C	1005502
09D27	27(2)	07D27	6912020	.	PRXNAD/C	1005500
07C46	28(2)	08D39	1001300	FF	D0	1001300
09D29	29(2)	07D29	6910520	.	PRXAD/C	1005500
08D23	30(2)	09D35	1011300	.	D1	1000500
08D22	31(2)	08D41	4601809	.	GND1809	1000502
	32(0)					
14C30	33(2)	12D37	1012100	.	FP1	1016506
09D34	34(2)	12D30	3991100	.	DXDL1-L	1000500
07D30	35(1)		1711300	.	D71	1000502
09D39	36(1)		1021300	.	D2	1010500
09D37	37(2)	12D39	3991600	.	DXDR1-L	1000502
10D26	38(1)		1002750	.	K0	1006502
08D28	39(2)	07D36	1001300	.	D0	1010502
08D41	40(1)		4601809	.	GND1809	1000500
08D31	41(2)	08D40	4601809	.	GND1809	1006504
17C45	42(1)		1010300	.	B1	1016504
09D43	43(2)	12D40	7670200	.	SXB-L	1006504
17C41	44(1)		1000300	.	B0	1006504
09D45	45(2)	12D41	7671000	.	SXFP/4	1006506
10D27	46(1)		1012750	.	K1	1016500
11B33	47(2)	12D43	1002100	.	FP0	1006506
	48(0)					
07D49	49(0)	09D49	0004000	4VD		0004000
	50(0)					
07D51	51(0)	09D51	0008000	8VD		0008000

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	10D39	1025500	B	PR2	1025500
	02(1)	10D41	1035500	B	PR3	1035500
11D03	03(2)	08D03	3992100	.	DXS/L	1021312
	04(1)	10D50	1022500	B	G2	1022500
	05(0)		1020500	B	C2	1020500
	06(1)	10D47	1032500	B	G3	1032500
11D07	07(2)	08D07	3990000	.	DX/L	1021330
	08(0)					
08D09	09(2)	11D09	3851200	.	QL-07D09	1021334
	10(0)					
11D11	11(2)	08D11	3990600	.	DXA-L	1021310
11C33	12(2)	09D24	1020100	.	A2	1021310
11C27	13(2)	09D18	1030100	.	A3	1031310
	14(1)	09D16	4601810	.	GND1810	1021312
	15(0)		1030500	B	C3	1030500
09D14	16(2)	09D22	4601810	-NS	GND1810	4601810
13C50	17(1)		1026500	B	S2	1026502
09D13	18(1)		1030100	.	A3	1030140
14C44	19(1)		1036500	B	S3	1036502
29B46	20(2)	08D20	6911020	.	PRXAND/C	1025502
28B27	21(2)	08D21	4610300	.	GXAD/C	1022500
09D16	22(2)	09D31	4601810	.	GND1810	1022500
07C14	23(2)	09D30	1031300	FF	D3	1031300
09D12	24(1)		1020100	.	A2	1020140
27B35	25(2)	08D25	4620300	.	GXAND/C	1022502
27B46	26(2)	08D26	6912760	.	PRXNAND/C	1025502
29B25	27(2)	08D27	6912020	.	PRXNAD/C	1025500
07C08	28(2)	09D39	1021300	FF	D2	1021300
28B36	29(2)	08D29	6910520	.	PRXAD/C	1025500
09D23	30(2)	11D35	1031300	.	D3	1020500
09D22	31(2)	09D41	4601810	.	GND1810	1020502
	32(0)					
14C28	33(2)	12D36	1032100	.	FP3	1036506
11D34	34(2)	08D34	3991100	.	DXDL1-L	1020500
08D30	35(1)		1011300	.	D1	1020502
11D39	36(1)		1041300	.	D4	1030500
11D37	37(2)	08D37	3991600	.	DXDR1-L	1020502
10D25	38(1)		1022750	.	K2	1026500
09D28	39(2)	08D36	1021300	.	D2	1030502
09D41	40(1)		4601810	.	GND1810	1020500
09D31	41(2)	09D40	4601810	.	GND1810	1026504
17C29	42(1)		1030300	.	B3	1036504
11D43	43(2)	08D43	7670200	.	SXB-L	1026504
17C33	44(1)		1020300	.	B2	1026504
11D45	45(2)	08D45	7671000	.	SXFP/4	1026506
12D44	46(2)	10D42	1032750	.	K3	1036500
14C34	47(2)	12D50	1022100	.	FP2	1026506
	48(0)					
08D49	49(0)	10D49	0004000		4VD	0004010
	50(0)					
08D51	51(0)	10D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
13D04	01(1)		1062500	G6		4500151
11D04	02(1)		1042500	G4		4500150
	03(0)					
11D06	04(1)		1052500	G5		4500151
11D01	05(1)		1045500	PR4		4500151
13D06	06(1)		1072500	G7		4500152
13D02	07(1)		1075500	PR7		1042751
12D08	08(2)	13D46	1072750	K7		1042751
13D01	09(1)		1065500	PR6		4500152
11D02	10(1)		1055500	PR5		4500151
10D16	11(1)		4601811	GND1811		4500152
05D45	12(2)	19D28	1712750	K71		1712760
	13(0)					
	14(0)					
	15(0)					
	16(1)	10D11	4601811	-NS	GND1811	4601811
	17(1)	19D44	4500150	B	G0407	4500150
	18(1)	11D46	1052750	B	K5	1052750
	19(1)	11D38	1042750	B	K4	1042750
	20(1)	13D38	1062750	B	K6	1062750
	21(1)	19D40	6900140	B	PR0407	6900140
07D46	22(1)		1712760	B	K71-1	1712760
	23(1)	19D43	6900100	B	PR0003	6900100
15C06	24(1)		1470150	B	(S/A47/1)	1470150
	25(1)	09D38	1022750	B	K2	1022750
	26(1)	08D38	1002750	B	K0	1002750
	27(1)	08D46	1012750	B	K1	1012750
	28(1)	19D46	4500100	B	G0003	4500100
15C14	29(2)	12D29	1485500		PR48	1470150
02C44	30(2)	09B19	1516500		S51	1470152
02C10	31(1)		3303100		AXSL4-1	1470152
	32(0)					
	33(0)					
16D35	34(2)	15C35	3501000		BXBL1-L	1470150
15C08	35(2)	12D35	1482750		K48	1470152
	36(0)					
	37(0)					
19D08	38(2)	12D38	1312750		K31	4500102
09D01	39(1)		1025500		PR2	4500102
08D02	40(1)		1015500		PR1	4500102
09D02	41(1)		1035500		PR3	1002751
09D46	42(2)	19D26	1032750		K3	1002751
08D01	43(1)		1005500		PR0	4500101
08D06	44(1)		1012500		G1	4500101
22B18	45(2)	12D45	6851060		(PH10.NFPRD)	4500102
08D04	46(1)		1002500		G0	4500100
09D06	47(1)		1032500		G3	4500102
	48(0)					
09D49	49(0)	11D49	0004000		4VD	0004010
09D04	50(1)		1022500		G2	4500101
09D51	51(0)	11D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	10D05	1045500	B	PR4	1045500
	02(1)	10D10	1055500	B	PR5	1055500
13D03	03(2)	09D03	3992100	.	DXS/L	1041312
	04(1)	10D02	1042500	B	G4	1042500
	05(0)		1040500	B	C4	1040500
	06(1)	10D04	1052500	B	G5	1052500
13D07	07(2)	09D07	3990000	.	DX/L	1041330
	08(0)					
09D09	09(2)	13D09	3851200	.	CL-07D09	1041334
	10(0)					
13D11	11(2)	09D11	3990600	.	DXA-L	1041310
16C30	12(2)	11D24	1040100	.	A4	1041310
16C31	13(2)	11D18	1050100	.	A5	1051310
	14(1)	11D16	4601813	.	GND1813	1041312
	15(0)		1050500	B	C5	1050500
11D14	16(2)	11D22	4601813	-NS	GND1813	4601813
10C37	17(1)		1046500	B	S4	1046502
11D13	18(1)		1050100	.	A5	1050140
10C50	19(1)		1056500	B	S5	1056502
13D20	20(2)	12D21	6911060	.	PRXAND/D	1045502
13D21	21(2)	12D20	4610400	.	GXAD/D	1042500
11D16	22(2)	11D31	4601813	.	GND1813	1042500
12C42	23(2)	11D30	1051300	FF	D5	1051300
11D12	24(1)		1040100	.	A4	1040140
13D25	25(2)	12D24	4620400	.	GXAND/D	1042502
13D26	26(2)	12D27	6912820	.	PRXNAND/D	1045502
13D27	27(2)	12D26	6912060	.	PRXNAD/D	1045500
12C46	28(2)	11D39	1041300	FF	D4	1041300
13D29	29(2)	12D28	6910560	.	PRXAD/D	1045500
11D23	30(2)	13D35	1051300	.	D5	1040500
11D22	31(2)	11D41	4601813	.	GND1813	1040502
	32(0)					
14C24	33(2)	12D33	1052100	.	FP5	1056506
13D34	34(2)	09D34	3991100	.	DXDL1-L	1040500
09D30	35(1)		1031300	.	D3	1040502
13D39	36(1)		1061300	.	D6	1050500
13D37	37(2)	09D37	3991600	.	DXDR1-L	1040502
10D19	38(1)		1042750	.	K4	1046500
11D28	39(2)	09D36	1041300	.	D4	1050502
11D41	40(1)		4601813	.	GND1813	1040500
11D31	41(2)	11D40	4601813	.	GND1813	1046504
17C24	42(1)		1050300	.	B5	1056504
13D43	43(2)	09D43	7670200	.	SXB-L	1046504
17C28	44(1)		1040300	.	B4	1046504
13D45	45(2)	09D45	7671000	.	SXFP/4	1046506
10D18	46(1)		1052750	.	K5	1056502
14C26	47(2)	12D47	1042100	.	FP4	1046506
	48(0)					
10D49	49(0)	12D49	0004000		4VD	0004010
	50(0)					
10D51	51(0)	12D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
18D20	01(1)		6911120	T	PRXAND/E	
18D21	02(1)		4610500	T	GXAD/E	
08D03	03(1)		3992100	T	DXS/L	
18D26	04(1)		6912840	T	PRXNAND/E	
17D33	05(1)		1132100	T	FP13	
17D47	06(1)		1122100	T	FP12	
08D07	07(1)		3990000	T	DX/L	
	08(1)	10D08	1072750	T	K7	
	09(1)	16D14	1185500	T	PR18	
	10(1)	16D15	1195500	T	PR19	
08D11	11(1)		3990600	T	DXA-L	
	12(1)	16D12	1165500	T	PR16	
	13(1)	16D13	1175500	T	PR17	
15D33	14(1)		1112100	T	FP11	
	15(1)	15D46	1112750	T	K11	
	16(0)					
15D47	17(1)		1102100	T	FP10	
14D33	18(1)		1092100	T	FP9	
14D47	19(1)		1082100	T	FP8	
11D21	20(1)		4610400	T	GXAD/D	
11D20	21(1)		6911060	T	PRXAND/D	
07D43	22(1)		7670300	T	SXB-U	
07D45	23(1)		7671300	T	SXFP/U	
11D25	24(1)		4620400	T	GXAND/D	
	25(1)	07D33	1312100	T	FP31	
11D27	26(1)		6912060	T	PRXNAD/D	
11D26	27(1)		6912820	T	PRXNAND/D	
11D29	28(1)		6910560	T	PRXAD/D	
10D29	29(1)		1485500	T	PR48	
08D34	30(1)		3991100	T	DXDL1-L	
	31(0)					
	32(0)					
11D33	33(1)		1052100	T	FP5	
13D33	34(1)		1072100	T	FP7	
10D35	35(1)		1482750	T	K48	
09D33	36(1)		1032100	T	FP3	
08D33	37(1)		1012100	T	FP1	
10D38	38(1)		1312750	T	K31	
08D37	39(1)		3991600	T	DXDR1-L	
08D43	40(1)		7670200	T	SXB-L	
08D45	41(1)		7671000	T	SXFP/4	
	42(1)	07D47	1302100	T	FP30	
08D47	43(1)		1002100	T	FP0	
	44(1)	09D46	1032750	T	K3	
10D45	45(1)		6851060	T	(PH10.NFPRD)	
13D47	46(1)		1062100	T	FP6	
11D47	47(1)		1042100	T	FP4	
	48(0)					
11D49	49(0)	13D49	0004000		4VD	0004010
09D47	50(1)		1022100	T	FP2	
11D51	51(0)	13D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	10D09	1065500	B	PR6	1065500
	02(1)	10D07	1075500	B	PR7	1075500
14D03	03(2)	11D03	3992100	.	DXS/L	1061312
	04(1)	10D01	1062500	B	G6	1062500
	05(0)		1060500	B	C6	1060500
	06(1)	10D06	1072500	B	G7	1072500
14D07	07(2)	11D07	3990000	.	DX/L	1061330
	08(0)					
11D09	09(1)		3851200	.	CL-07D09	1061334
	10(0)					
14D11	11(2)	11D11	3990600	.	DXA-L	1061310
16C27	12(2)	13D24	1060100	.	A6	1061310
16C33	13(2)	13D18	1070100	.	A7	1071310
	14(1)	13D16	4601814	.	GND1814	1061312
	15(0)		1070500	B	C7	1070500
13D14	16(2)	13D22	4601814	-NS	GND1814	4601814
14C23	17(1)		1066500	I	S6	1066500
13D13	18(1)		1070100	.	A7	1070140
14C36	19(1)		1076500	I	S7	1076500
14D20	20(2)	11D20	6911060	.	PRXAND/D	1065502
14D21	21(2)	11D21	4610400	.	GXAD/D	1062500
13D16	22(2)	13D31	4601814	.	GND1814	1062500
12C14	23(2)	13D30	1071300	FF	D7	1071300
13D12	24(1)		1060100	.	A6	1060140
14D25	25(2)	11D25	4620400	.	GXAND/D	1062502
14D26	26(2)	11D26	6912820	.	PRXNAND/D	1065502
14D27	27(2)	11D27	6912060	.	PRXNAD/D	1065500
12C08	28(2)	13D39	1061300	FF	D6	1061300
14D29	29(2)	11D29	6910560	.	PRXAD/D	1065500
13D23	30(2)	14D35	1071300	.	D7	1060500
13D22	31(2)	13D41	4601814	.	GND1814	1060502
	32(0)					
17C46	33(2)	12D34	1072100	.	FP7	1076506
14D34	34(2)	11D34	3991100	.	DXDL1-L	1060500
11D30	35(1)		1051300	.	D5	1060502
14D39	36(1)		1081300	.	D8	1070500
14D37	37(2)	11D37	3991600	.	DXDR1-L	1060502
10D20	38(1)		1062750	.	K6	1066500
13D28	39(2)	11D36	1061300	.	D6	1070502
13D41	40(1)		4601814	.	GND1814	1060500
13D31	41(2)	13D40	4601814	.	GND1814	1066504
17C21	42(1)		1070300	.	B7	1076504
14D43	43(2)	11D43	7670200	.	SXB-L	1066504
17C17	44(1)		1060300	.	B6	1066504
13B47	45(2)	11D45	7671000	.	SXFP/4	1066506
10D08	46(2)	19D27	1072750	.	K7	1076500
17C44	47(2)	12D46	1062100	.	FP6	1066506
	48(0)					
12D49	49(0)	14D49	0004000		4VD	0004010
	50(0)					
12D51	51(0)	14D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	16D43	1085500	B	PR8	1085500
	02(1)	16D40	1095500	B	PR9	1095500
15D03	03(2)	13D03	3992100	.	DXS/L	1081312
	04(1)	16D46	1082500	B	G8	1082500
	05(0)		1080500	B	C8	1080500
	06(1)	16D44	1092500	B	G9	1092500
15D07	07(2)	13D07	3990000	.	DX/L	1081330
	08(0)					
	09(1)	15D09	3851300	.	CL-18D09	1081334
05D33	10(2)	19D30	5980000	.	MWN	1081312
15D11	11(2)	13D11	3990600	.	DXA-L	1081310
16C02	12(2)	14D24	1080100	.	A8	1081310
16C04	13(2)	14D18	1090100	.	A9	1091310
13C11	14(1)		6850200	.	PH2	1081312
	15(0)		1090500	B	C9	1090500
	16(1)	14D22	4601815	-NS	GND1815	4601815
14C43	17(1)		1086500	I	S8	1086500
14D13	18(1)		1090100	.	A9	1090140
14C09	19(1)		1096500	I	S9	1096500
15D20	20(2)	13D20	6911060	.	PRXAND/D	1085502
15D21	21(2)	13D21	4610400	.	GXAD/D	1082500
14D16	22(2)	14D31	4601815	.	GND1815	1082500
	23(1)	14D30	1091300	FF	D9	1091300
14D12	24(1)		1080100	.	A8	1080140
15D25	25(2)	13D25	4620400	.	GXAND/D	1082502
15D26	26(2)	13D26	6912820	.	PRXNAND/D	1085502
15D27	27(2)	13D27	6912060	.	PRXNAD/D	1085500
	28(1)	14D39	1081300	FF	D8	1081300
15D29	29(2)	13D29	6910560	.	PRXAD/D	1085500
14D23	30(2)	15D35	1091300	.	D9	1080500
14D22	31(2)	14D41	4601815	.	GND1815	1080502
	32(0)					
19C30	33(2)	12D18	1092100	.	FP9	1096506
15D34	34(2)	13D34	3991100	.	DXDL1-L	1080500
13D30	35(1)		1071300	.	D7	1080502
15D39	36(1)		1101300	.	D10	1090500
15D37	37(2)	13D37	3991600	.	DXDR1-L	1080502
16D26	38(1)		1082750	.	K8	1086500
14D28	39(2)	13D36	1081300	.	D8	1090502
14D41	40(1)		4601815	.	GND1815	1080500
14D31	41(2)	14D40	4601815	.	GND1815	1086504
16D36	42(1)		1090300	.	B9	1096504
15D43	43(2)	13D43	7670200	.	SXB-L	1086504
16C06	44(1)		1080300	.	B8	1086504
13B41	45(2)	15D45	7671100	.	SXFP/A	1086506
16D27	46(1)		1092750	.	K9	1096500
19C31	47(2)	12D19	1082100	.	FP8	1086506
	48(0)					
13D49	49(0)	15D49	0004000		4VD	0004010
	50(0)					
13D51	51(0)	15D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	16D39	1105500	B	PR10	1105500
	02(1)	16D41	1115500	B	PR11	1115500
17D03	03(2)	14D03	3992100	.	DXS/L	1101312
	04(1)	16D50	1102500	B	G10	1102500
	05(0)		1100500	B	C10	1100500
	06(1)	16D47	1112500	B	G11	1112500
17D07	07(2)	14D07	3990000	.	DX/L	1101330
	08(0)					
14D09	09(2)	17D09	3851300	.	CL-18D09	1101334
	10(0)					
17D11	11(2)	14D11	3990600	.	DXA-L	1101310
16C14	12(2)	15D24	1100100	.	A10	1101310
21C33	13(2)	15D18	1110100	.	A11	1111310
	14(1)	15D16	4601816	.	GND1816	1101312
	15(0)		1110500	B	C11	1110500
15D14	16(2)	15D22	4601816	-NS	GND1816	4601816
19C45	17(1)		1106500	I	S10	1106500
15D13	18(1)		1110100	.	A11	1110140
19C44	19(1)		1116500	I	S11	1116500
17D20	20(2)	14D20	6911060	.	PRXAND/D	1105502
17D21	21(2)	14D21	4610400	.	GXAD/D	1102500
15D16	22(2)	15D31	4601816	.	GND1816	1102500
	23(1)	15D30	1111300	FF	D11	1111300
15D12	24(1)		1100100	.	A10	1100140
17D25	25(2)	14D25	4620400	.	GXAND/D	1102502
17D26	26(2)	14D26	6912820	.	PRXNAND/D	1105502
17D27	27(2)	14D27	6912060	.	PRXNAD/D	1105500
	28(1)	15D39	1101300	FF	D10	1101300
17D29	29(2)	14D29	6910560	.	PRXAD/D	1105500
15D23	30(2)	17D35	1111300	.	D11	1100500
15D22	31(2)	15D41	4601816	.	GND1816	1100502
	32(0)					
18C46	33(2)	12D14	1112100	.	FP11	1116506
17D34	34(2)	14D34	3991100	.	DXDL1-L	1100500
14D30	35(1)		1091300	.	D9	1100502
	36(1)	17D39	1121300	.	D12	1110500
17D37	37(2)	14D37	3991600	.	DXDR1-L	1100502
16D25	38(1)		1102750	.	K10	1106500
15D28	39(2)	14D36	1101300	.	D10	1110502
15D41	40(1)		4601816	.	GND1816	1100500
15D31	41(2)	15D40	4601816	.	GND1816	1106504
31C17	42(1)		1110300	.	B11	1116504
17D43	43(2)	14D43	7670200	.	SXB-L	1106504
16D30	44(1)		1100300	.	B10	1106504
14D45	45(2)	17D45	7671100	.	SXFP/A	1106506
12D15	46(2)	16D42	1112750	.	K11	1116502
18C44	47(2)	12D17	1102100	.	FP10	1106506
	48(0)					
14D49	49(0)	16D49	0004000		4VD	0004010
	50(0)					
14D51	51(0)	16D51	0008000		8VD	0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
18004	01(1)		1142500	G14		1122750
17004	02(1)		1122500	G12		4500250
	03(0)					
17006	04(1)		1132500	G13		1122750
17001	05(1)		1125500	PR12		4500252
18006	06(1)		1152500	G15		4500252
18002	07(1)		1155500	PR15		1122751
19C40	08(2)	19017	1152750	K15		1122751
18001	09(1)		1145500	PR14		4500252
17002	10(1)		1135500	PR13		4500252
	11(1)	16D16	4601817	GND1817		4500252
12D12	12(2)	21D01	1165500	PR16		6900210
12D13	13(2)	21D02	1175500	PR17		6900210
12D09	14(2)	22D01	1185500	PR18		6900210
12D10	15(2)	22D02	1195500	PR19		6900210
16D11	16(2)	16D38	4601817	-NS GND1817		4601817
	17(1)	19D47	4500250	B G1215		4500250
	18(1)	17D46	1132750	B K13		1132750
	19(1)	17D38	1122750	B K12		1122750
	20(1)	18D38	1142750	B K14		1142750
	21(1)	19D41	6900180	B PR1215		6900180
20D10	22(2)	19D22	6900210	B PR1631		6900210
	23(1)	19D39	6900160	B PR0811		6900160
	24(1)	16C19	1080350	B (S/B8)		1080350
	25(1)	15D38	1102750	B K10		1102750
	26(1)	14D38	1082750	B K8		1082750
	27(1)	14D46	1092750	B K9		1092750
	28(1)	19D50	4500200	B G0811		4500200
17C40	29(2)	12C44	3503000	BXFP/L		1080350
31C07	30(2)	15D44	1100300	B10		1080354
15C25	31(2)	17C34	3502000	BXBL2-L		1080354
	32(0)					
10B44	33(2)	19D29	1480300	B48		1080350
	34(0)					
17C36	35(2)	10D34	3501000	BXBL1-L		1080354
22C18	36(2)	14D42	1090300	B9		1080354
	37(0)					
16D16	38(1)		4601817	GND1817		4500202
15D01	39(1)		1105500	PR10		4500202
14D02	40(1)		1095500	PR9		4500202
15D02	41(1)		1115500	PR11		1102750
15D46	42(2)	19D25	1112750	K11		1102750
14D01	43(1)		1085500	PR8		4500201
14D06	44(1)		1092500	G9		4500201
	45(0)					
14D04	46(1)		1082500	G8		4500200
15D06	47(1)		1112500	G11		4500202
	48(0)					
15D49	49(0)	17D49	0004000	4VD		0004010
15D04	50(1)		1102500	G10		4500201
15D51	51(0)	17D51	0008000	8VD		0008010

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	16D05	1125500	B	PR12	1125500
	02(1)	16D10	1135500	B	PR13	1135500
18D03	03(2)	15D03	3992100	.	DXS/L	1121312
	04(1)	16D02	1122500	B	G12	1122500
	05(0)		1120500	B	C12	1120500
	06(1)	16D04	1132500	B	G13	1132500
18D07	07(2)	15D07	3990000	.	DX/L	1121330
	08(0)					
15D09	09(2)	18D09	3851300	.	CL-18D09	1121334
	10(0)					
18D11	11(2)	15D11	3990600	.	DXA-L	1121310
21C30	12(2)	17D24	1120100	.	A12	1121310
21C31	13(2)	17D18	1130100	.	A13	1131310
	14(1)	17D16	4601818	.	GND1818	1121312
	15(0)		1130500	B	C13	1130500
17D14	16(2)	17D22	4601818	-NS	GND1818	4601818
19C35	17(1)		1126500	B	S12	1126502
17D13	18(1)		1130100	.	A13	1130140
16C24	19(1)		1136500	B	S13	1136502
29B47	20(2)	15D20	6911060	.	PRXAND/D	1125502
28B28	21(2)	15D21	4610400	.	GXAD/D	1122500
17D16	22(2)	17D31	4601818	.	GND1818	1122500
	23(1)	17D30	1131300	FF	D13	1131300
17D12	24(1)		1120100	.	A12	1120140
27B34	25(2)	15D25	4620400	.	GXAND/D	1122502
27B47	26(2)	15D26	6912820	.	PRXNAND/D	1125502
29B27	27(2)	15D27	6912060	.	PRXNAD/D	1125500
17D39	28(1)		1121300	FF	D12	1121300
28B41	29(2)	15D29	6910560	.	PRXAD/D	1125500
17D23	30(2)	18D35	1131300	.	D13	1120500
17D22	31(2)	17D41	4601818	.	GND1818	1120502
	32(0)					
20C30	33(2)	12D05	1132100	.	FP13	1136506
18D34	34(2)	15D34	3991100	.	DXDL1-L	1120500
15D30	35(1)		1111300	.	D11	1120502
18D39	36(1)		1141300	.	D14	1130500
18D37	37(2)	15D37	3991600	.	DXDR1-L	1120502
16D19	38(1)		1122750	.	K12	1126502
15D36	39(2)	17D28	1121300	.	D12	1130502
17D41	40(1)		4601818	.	GND1818	1120500
17D31	41(2)	17D40	4601818	.	GND1818	1126504
31C18	42(1)		1130300	.	B13	1136504
18D43	43(2)	15D43	7670200	.	SXB-L	1126504
31C21	44(1)		1120300	.	B12	1126504
15D45	45(2)	18D45	7671100	.	SXFP/A	1126506
16D18	46(1)		1132750	.	K13	1136500
20C26	47(2)	12D06	1122100	.	FP12	1126506
	48(0)					
16D49	49(0)	18D49	0004000	4VD		0004020
	50(0)					
16D51	51(0)	18D51	0008000	8VD		0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(1)	16D09	1145500	B	PR14	1145500
	02(1)	16D07	1155500	B	PR15	1155500
21D03	03(2)	17D03	3992100	.	DXS/L	1141312
	04(1)	16D01	1142500	B	G14	1142500
	05(0)		1140500	B	C14	1140500
	06(1)	16D06	1152500	B	G15	1152500
21D07	07(2)	17D07	3990000	.	DX/L	1141330
	08(0)					
17D09	09(2)	21D09	3851300	-NS	CL-18D09	3851300
	10(0)					
21D11	11(2)	17D11	3990600	.	DXA-L	1141310
21C27	12(2)	18D24	1140100	.	A14	1141310
21C04	13(2)	18D18	1150100	.	A15	1151310
	14(1)	18D16	4601819	.	GND1819	1141312
	15(0)		1150500	B	C15	1150500
18D14	16(2)	18D22	4601819	-NS	GND1819	4601819
23C23	17(1)		1146500	I	S14	1146500
18D13	18(1)		1150100	.	A15	1150140
19C36	19(1)		1156500	B	S15	1156502
21D20	20(2)	12D01	6911120	.	PRXAND/E	1145502
21D21	21(2)	12D02	4610500	.	GXAD/E	1142500
18D16	22(2)	18D31	4601819	.	GND1819	1142500
	23(1)	18D30	1151300	FF	D15	1151300
18D12	24(1)		1140100	.	A14	1140140
21D25	25(2)	20D25	4620500	.	GXAND/E	1142502
21D26	26(2)	12D04	6912840	.	PRXNAND/E	1145502
21D27	27(2)	20D27	6912120	.	PRXNAD/E	1145500
	28(1)	18D39	1141300	FF	D14	1141300
21D29	29(2)	20D29	6910620	.	PRXAD/E	1145500
18D23	30(2)	21D35	1151300	.	D15	1140500
18D22	31(2)	18D41	4601819	.	GND1819	1140502
	32(0)					
20C46	33(2)	20D31	1152100	.	FP15	1156506
21D34	34(2)	17D34	3991100	.	DXDL1-L	1140500
17D30	35(1)		1131300	.	D13	1140502
	36(1)	21D39	1161300	.	D16	1150500
21D37	37(2)	17D37	3991600	.	DXDR1-L	1140502
16D20	38(1)		1142750	.	K14	1146500
18D28	39(2)	17D36	1141300	.	D14	1150502
18D41	40(1)		4601819	.	GND1819	1140500
18D31	41(2)	18D40	4601819	.	GND1819	1146504
29C17	42(1)		1150300	.	B15	1156504
21D43	43(2)	17D43	7670200	.	SXB-L	1146504
31C20	44(1)		1140300	.	B14	1146504
17D45	45(2)	21D45	7671100	.	SXFP/A	1146506
19D42	46(2)	20D45	1152750	.	K15	1156502
20C44	47(2)	20D43	1142100	.	FP14	1146506
	48(0)					
17D49	49(0)	19D49	0004000	4VD		0004020
	50(0)					
17D51	51(0)	19D51	0008000	8VD		0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
29D28	01(2)	20D01	4500400	.	G2427	1152751
23D28	02(2)	20D02	4500300	.	G1619	1152750
29D08	03(2)	19D08	1312750	.	K31	1152751
23D17	04(2)	20D05	4500350	.	G2023	1152750
23D23	05(2)	20D04	6900200	.	PR1619	1152750
29D17	06(2)	20D07	4500450	.	G2831	1152752
29D21	07(2)	20D06	6900280	.	PR2831	1192752
19D03	08(2)	10D38	1312750	.	K31	1192752
29D23	09(2)	20D08	6900260	.	PR2427	1152752
23D21	10(2)	20D11	6900240	.	PR2023	1152751
19D22	11(2)	23D22	6900210	.	PR1631	1152751
20D13	12(2)	23D05	1205500	.	PR20	6900212
20D12	13(2)	23D10	1215500	.	PR21	6900212
20D15	14(2)	23D09	1225500	.	PR22	6900212
20D14	15(2)	23D07	1235500	.	PR23	6900212
	16(0)					
16D08	17(2)	19D45	1152750	B	K15	1152750
20D22	18(2)	23D08	1232750	B	K23	1232750
20D28	19(2)	22D46	1192750	B	K19	1192750
	20(1)	27D46	1272750	B	K27	1272750
	21(0)		6900220	B	PR1631-1	6900220
16D22	22(2)	19D11	6900210	B	PR1631	6900212
	23(1)	19D38	6900120	B	PR0015	6900120
16B05	24(1)		5810200	B	M2	5810200
16D42	25(1)		1112750	B	K11	1112750
10D42	26(1)		1032750	B	K3	1032750
13D46	27(1)		1072750	B	K7	1072750
10D12	28(1)		1712750	B	K71	1712750
16D33	29(2)	28C43	1480300	.	B48	5810300
14D10	30(2)	23D30	5980000	.	MWN	5810200
08C39	31(2)	23D31	4301000	.	F1	5810200
	32(0)					
23D33	33(1)		4380100	.	NFPR	5810300
08C46	34(2)	23D34	4301100	.	NF1	5810300
31C43	35(2)	20D34	1480304	.	NB48	5810300
16B38	36(2)	23D36	4380000	.	FPR	5810300
	37(0)					
19D23	38(2)	20D39	6900120	.	PR0015	1712751
16D23	39(2)	20D38	6900160	.	PR0811	1032751
10D21	40(2)	20D41	6900140	.	PR0407	1032751
16D21	41(2)	20D40	6900180	.	PR1215	1112750
19D45	42(2)	18D46	1152750	.	K15	1112750
10D23	43(2)	20D42	6900100	.	PR0003	1712750
10D17	44(2)	20D44	4500150	.	G0407	1032750
19D17	45(2)	19D42	1152750	.	K15	1712751
10D28	46(2)	20D47	4500100	.	G0003	1712750
16D17	47(2)	20D46	4500250	.	G1215	1112750
	48(0)					
18D49	49(0)	20D49	0004000	.	4VD	0004020
16D28	50(2)	20D50	4500200	.	G0811	1032750
18D51	51(0)	20D51	0008000	.	8VD	0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
19D01	01(1)		4500400	T	G2427	
19D02	02(1)		4500300	T	G1619	
23D29	03(1)		1490300	T	B49	
19D05	04(1)		6900200	T	PR1619	
19D04	05(1)		4500350	T	G2023	
19D07	06(1)		6900280	T	PR2831	
19D06	07(1)		4500450	T	G2831	
19D09	08(1)		6900260	T	PR2427	
23D35	09(1)		1490304	T	NB49	
	10(1)	16D22	6900210	T	PR1631	
19D10	11(1)		6900240	T	PR2023	
	12(1)	19D13	1215500	T	PR21	
	13(1)	19D12	1205500	T	PR20	
	14(1)	19D15	1235500	T	PR23	
	15(1)	19D14	1225500	T	PR22	
	16(0)					
23D31	17(1)		4301000	T	F1	
23D34	18(1)		4301100	T	NF1	
	19(0)					
	20(1)	27B33	4610910	T	GXAND	
25D33	21(1)		1232100	T	FP23	
	22(1)	19D18	1232750	T	K23	
25D47	23(1)		1222100	T	FP22	
24D33	24(1)		1212100	T	FP21	
18D25	25(1)		4620500	T	GXAND/E	
24D47	26(1)		1202100	T	FP20	
18D27	27(1)		6912120	T	PRXNAD/E	
	28(1)	19D19	1192750	T	K19	
18D29	29(1)		6910620	T	PRXAD/E	
22D33	30(1)		1192100	T	FP19	
18D33	31(1)		1152100	T	FP15	
	32(0)					
	33(0)					
19D35	34(1)		1480304	T	NB48	
22D47	35(1)		1182100	T	FP18	
21D33	36(1)		1172100	T	FP17	
21D47	37(1)		1162100	T	FP16	
19D39	38(1)		6900160	T	PR0811	
19D38	39(1)		6900120	T	PR0015	
19D41	40(1)		6900180	T	PR1215	
19D40	41(1)		6900140	T	PR0407	
19D43	42(1)		6900100	T	PR0003	
18D47	43(1)		1142100	T	FP14	
19D44	44(1)		4500150	T	G0407	
18D46	45(1)		1152750	T	K15	
19D47	46(1)		4500250	T	G1215	
19D46	47(1)		4500100	T	G0003	
	48(0)					
19D49	49(0)	21D49	0004000		4VD	0004020
19D50	50(1)		4500200	T	G0811	
19D51	51(0)	21D51	0008000		8VD	0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
16D12	01(2)	23D43	1165500	B	PR16	1165500
16D13	02(2)	23D40	1175500	B	PR17	1175500
22D03	03(2)	18D03	3992100	.	DXS/L	1161312
	04(1)	23D46	1162500	B	G16	1162500
	05(0)		1160500	B	C16	1160500
	06(1)	23D44	1172500	B	G17	1172500
22D07	07(2)	18D07	3990000	.	DX/L	1161330
	08(0)					
18D09	09(2)	22D09	3851300	.	CL-18D09	1161334
	10(0)					
22D11	11(2)	18D11	3990600	.	DXA-L	1161310
21C02	12(2)	21D24	1160100	.	A16	1161310
21C14	13(2)	21D18	1170100	.	A17	1171310
	14(1)	21D16	4601821	.	GND1821	1161312
	15(0)		1170500	B	C17	1170500
21D14	16(2)	21D22	4601821	-NS	GND1821	4601821
21C42	17(1)		1166500	I	S16	1166500
21D13	18(1)		1170100	.	A17	1170140
21C43	19(1)		1176500	I	S17	1176500
22D20	20(2)	18D20	6911120	.	PRXAND/E	1165502
22D21	21(2)	18D21	4610500	.	GXAD/E	1162500
21D16	22(2)	21D31	4601821	.	GND1821	1162500
	23(1)	21D30	1171300	FF	D17	1171300
21D12	24(1)		1160100	.	A16	1160140
22D25	25(2)	18D25	4620500	.	GXAND/E	1162502
22D26	26(2)	18D26	6912840	.	PRXNAND/E	1165502
22D27	27(2)	18D27	6912120	.	PRXNAD/E	1165500
21D39	28(1)		1161300	FF	D16	1161300
22D29	29(2)	18D29	6910620	.	PRXAD/E	1165500
21D23	30(2)	22D35	1171300	.	D17	1160500
21D22	31(2)	21D41	4601821	.	GND1821	1160502
	32(0)					
25C30	33(2)	20D36	1172100	.	FP17	1176506
22D34	34(2)	18D34	3991100	.	DXDL1-L	1160500
18D30	35(1)		1151300	.	D15	1160502
22D39	36(1)		1181300	.	D18	1170500
22D37	37(2)	18D37	3991600	.	DXDR1-L	1160502
23D26	38(1)		1162750	.	K16	1166500
18D36	39(2)	21D28	1161300	.	D16	1170502
21D41	40(1)		4601821	.	GND1821	1160500
21D31	41(2)	21D40	4601821	.	GND1821	1166504
29C18	42(1)		1170300	.	B17	1176504
22D43	43(2)	18D43	7670200	.	SXB-L	1166504
29C21	44(1)		1160300	.	B16	1166504
18D45	45(2)	22D45	7671100	.	SXFP/A	1166506
23D27	46(1)		1172750	.	K17	1176500
23C31	47(2)	20D37	1162100	.	FP16	1166506
	48(0)					
20D49	49(0)	22D49	0004000		4VD	0004020
	50(0)					
20D51	51(0)	22D51	0008000		8VD	0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
16D14	01(2)	23D39	1185500	B	PR18	1185500
16D15	02(2)	23D41	1195500	B	PR19	1195500
24D03	03(2)	21D03	3992100	.	DXS/L	1181312
	04(1)	23D50	1182500	B	G18	1182500
	05(0)		1180500	B	C18	1180500
	06(1)	23D47	1192500	B	G19	1192500
24D07	07(2)	21D07	3990000	.	DX/L	1181330
	08(0)					
21D09	09(2)	24D09	3851300	.	CL-18D09	1181334
	10(0)					
24D11	11(2)	21D11	3990600	.	DXA-L	1181310
26C14	12(2)	22D24	1180100	.	A18	1181310
26C33	13(2)	22D18	1190100	.	A19	1191310
	14(1)	22D16	4601822	.	GND1822	1181312
	15(0)		1190500	B	C19	1190500
22D14	16(2)	22D22	4601822	-NS	GND1822	4601822
21C47	17(1)		1186500	I	S18	1186500
22D13	18(1)		1190100	.	A19	1190140
23C44	19(1)		1196500	B	S19	1196502
24D20	20(2)	21D20	6911120	.	PRXAND/E	1185502
24D21	21(2)	21D21	4610500	.	GXAD/E	1182500
22D16	22(2)	22D31	4601822	.	GND1822	1182500
	23(1)	22D30	1191300	FF	D19	1191300
22D12	24(1)		1180100	.	A18	1180140
24D25	25(2)	21D25	4620500	.	GXAND/E	1182502
24D26	26(2)	21D26	6912840	.	PRXNAND/E	1185502
24D27	27(2)	21D27	6912120	.	PRXNAD/E	1185500
	28(1)	22D39	1181300	FF	D18	1181300
24D29	29(2)	21D29	6910620	.	PRXAD/E	1185500
22D23	30(2)	24D35	1191300	.	D19	1180500
22D22	31(2)	22D41	4601822	.	GND1822	1180502
	32(0)					
25C46	33(2)	20D30	1192100	.	FP19	1196506
24D34	34(2)	21D34	3991100	.	DXDL1-L	1180500
21D30	35(1)		1171300	.	D17	1180502
	36(1)	24D39	1201300	.	D20	1190500
24D37	37(2)	21D37	3991600	.	DXDR1-L	1180502
23D25	38(1)		1182750	.	K18	1186500
22D28	39(2)	21D36	1181300	.	D18	1190502
22D41	40(1)		4601822	.	GND1822	1180500
22D31	41(2)	22D40	4601822	.	GND1822	1186504
27C17	42(1)		1190300	.	B19	1196504
24D43	43(2)	21D43	7670200	.	SXB-L	1186504
29C20	44(1)		1180300	.	B18	1186504
21D45	45(2)	24D45	7671100	.	SXFP/A	1186506
19D19	46(2)	23D42	1192750	.	K19	1196500
25C44	47(2)	20D35	1182100	.	FP18	1186506
	48(0)					
21D49	49(0)	23D49	0004000	4VD		0004020
	50(0)					
21D51	51(0)	23D51	0008000	8VD		0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
25D04	01(1)		1222500	.	G22	4500351
24D04	02(1)		1202500	.	G20	4500350
	03(0)					
24D06	04(1)		1212500	.	G21	4500351
19D12	05(2)	24D01	1205500	.	PR20	4500351
25D06	06(1)		1232500	.	G23	4500352
19D15	07(2)	25D02	1235500	.	PR23	1202751
19D18	08(2)	25D46	1232750	.	K23	1202751
19D14	09(2)	25D01	1225500	.	PR22	4500352
19D13	10(2)	24D02	1215500	.	PR21	4500351
	11(1)	23D16	4601823	.	GND1823	4500352
	12(1)	26D01	1245500	.	PR24	6900214
	13(1)	26D02	1255500	.	PR25	6900214
	14(1)	27D01	1265500	.	PR26	6900214
	15(1)	27D02	1275500	.	PR27	6900214
23D11	16(2)	23D38	4601823	-NS	GND1823	4601823
	17(1)	19D04	4500350	B	G2023	4500350
	18(1)	24D46	1212750	B	K21	1212750
	19(1)	24D38	1202750	B	K20	1202750
	20(1)	25D38	1222750	B	K22	1222750
	21(1)	19D10	6900240	B	PR2023	6900240
19D11	22(2)	29D22	6900210	B	PR1631	6900214
	23(1)	19D05	6900200	B	PR1619	6900200
16B01	24(1)		5810000	B	M1	5810000
	25(1)	22D38	1182750	B	K18	1182750
	26(1)	21D38	1162750	B	K16	1162750
	27(1)	21D46	1172750	B	K17	1172750
	28(1)	19D02	4500300	B	G1619	4500300
31C45	29(2)	20D03	1490300	.	B49	5810100
19D30	30(1)		5980000	.	MWN	5810000
19D31	31(2)	20D17	4301000	.	F1	5810000
	32(0)					
22B41	33(2)	19D33	4380100	.	NFPR	5810100
19D34	34(2)	20D18	4301100	.	NF1	5810100
31C39	35(2)	20D09	1490304	.	NB49	5810100
19D36	36(1)		4380000	.	FPR	5810100
	37(0)					
23D16	38(1)		4601823	.	GND1823	4500302
22D01	39(1)		1185500	.	PR18	4500302
21D02	40(1)		1175500	.	PR17	4500301
22D02	41(1)		1195500	.	PR19	1162751
22D46	42(1)		1192750	.	K19	1162751
21D01	43(1)		1165500	.	PR16	4500301
21D06	44(1)		1172500	.	G17	4500301
	45(0)					
21D04	46(1)		1162500	.	G16	4500300
22D06	47(1)		1192500	.	G19	4500302
	48(0)					
22D49	49(0)	24D49	0004000	.	4VD	0004020
22D04	50(1)		1182500	.	G18	4500301
22D51	51(0)	24D51	0008000	.	8VD	0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
23D05	01(1)		1205500	B	PR20	1205500
23D10	02(1)		1215500	B	PR21	1215500
25D03	03(2)	22D03	3992100	.	DXS/L	1201312
	04(1)	23D02	1202500	B	G20	1202500
	05(0)		1200500	B	C20	1200500
	06(1)	23D04	1212500	B	G21	1212500
25D07	07(2)	22D07	3990000	.	DX/L	1201330
	08(0)					
22D09	09(2)	25D09	3851300	.	CL-18D09	1201334
	10(0)					
25D11	11(2)	22D11	3990600	.	DXA-L	1201310
26C30	12(2)	24D24	1200100	.	A20	1201310
26C31	13(2)	24D18	1210100	.	A21	1211310
	14(1)	24D16	4601824	.	GND1824	1201312
	15(0)		1210500	B	C21	1210500
24D14	16(2)	24D22	4601824	-NS	GND1824	4601824
23C35	17(1)		1206500	B	S20	1206502
24D13	18(1)		1210100	.	A21	1210140
28C20	19(1)		1216500	I	S21	1216500
25D20	20(2)	22D20	6911120	.	PRXAND/E	1205502
25D21	21(2)	22D21	4610500	.	GXAD/E	1202500
24D16	22(2)	24D31	4601824	.	GND1824	1202500
	23(1)	24D30	1211300	FF	D21	1211300
24D12	24(1)		1200100	.	A20	1200140
25D25	25(2)	22D25	4620500	.	GXAND/E	1202502
25D26	26(2)	22D26	6912840	.	PRXNAND/E	1205502
25D27	27(2)	22D27	6912120	.	PRXNAD/E	1205500
24D39	28(1)		1201300	FF	D20	1201300
25D29	29(2)	22D29	6910620	.	PRXAD/E	1205500
24D23	30(2)	25D35	1211300	.	D21	1200500
24D22	31(2)	24D41	4601824	.	GND1824	1200502
	32(0)					
27C30	33(2)	20D24	1212100	.	FP21	1216506
25D34	34(2)	22D34	3991100	.	DXDL1-L	1200500
22D30	35(1)		1191300	.	D19	1200502
25D39	36(1)		1221300	.	D22	1210500
25D37	37(2)	22D37	3991600	.	DXDR1-L	1200502
23D19	38(1)		1202750	.	K20	1206500
22D36	39(2)	24D28	1201300	.	D20	1210502
24D41	40(1)		4601824	.	GND1824	1200500
24D31	41(2)	24D40	4601824	.	GND1824	1206504
27C18	42(1)		1210300	.	B21	1216504
25D43	43(2)	22D43	7670200	.	SXB-L	1206504
27C21	44(1)		1200300	.	B20	1206504
22D45	45(2)	25D45	7671100	.	SXFP/A	1206506
23D18	46(1)		1212750	.	K21	1216500
27C26	47(2)	20D26	1202100	.	FP20	1206506
	48(0)					
23D49	49(0)	25D49	0004000		4VD	0004020
	50(0)					
23D51	51(0)	25D51	0008000		8VD	0008020

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
23D09	01(1)		1225500	B	PR22	1225500
23D07	02(1)		1235500	B	PR23	1235500
26D03	03(2)	24D03	3992100	.	DXS/L	1221312
	04(1)	23D01	1222500	B	G22	1222500
	05(0)		1220500	B	C22	1220500
	06(1)	23D06	1232500	B	G23	1232500
26D07	07(2)	24D07	3990000	.	DX/L	1221330
	08(0)					
24D09	09(1)		3851300	.	CL-18D09	1221334
	10(0)					
26D11	11(2)	24D11	3990600	.	DXA-L	1221310
26C27	12(2)	25D24	1220100	.	A22	1221310
26C04	13(2)	25D18	1230100	.	A23	1231310
	14(1)	25D16	4601825	.	GND1825	1221312
	15(0)		1230500	B	C23	1230500
25D14	16(2)	25D22	4601825	-NS	GND1825	4601825
28C23	17(1)		1226500	I	S22	1226500
25D13	18(1)		1230100	.	A23	1230140
28C25	19(1)		1236500	B	S23	1236502
29B36	20(2)	24D20	6911120	.	PRXAND/E	1225502
28B17	21(2)	24D21	4610500	.	GXAD/E	1222500
25D16	22(2)	25D31	4601825	.	GND1825	1222500
	23(1)	25D30	1231300	FF	D23	1231300
25D12	24(1)		1220100	.	A22	1220140
27B26	25(2)	24D25	4620500	.	GXAND/E	1225502
28B19	26(2)	24D26	6912840	.	PRXNAND/E	1225502
29B28	27(2)	24D27	6912120	.	PRXNAD/E	1225500
	28(1)	25D39	1221300	FF	D22	1221300
28B35	29(2)	24D29	6910620	.	PRXAD/E	1225500
25D23	30(2)	26D35	1231300	.	D23	1220500
25D22	31(2)	25D41	4601825	.	GND1825	1220502
	32(0)					
27C46	33(2)	20D21	1232100	.	FP23	1236506
26D34	34(2)	24D34	3991100	.	DXDL1-L	1220500
24D30	35(1)		1211300	.	D21	1220502
26D39	36(1)		1241300	.	D24	1230500
26D37	37(2)	24D37	3991600	.	DXDR1-L	1220502
23D20	38(1)		1222750	.	K22	1226500
25D28	39(2)	24D36	1221300	.	D22	1230502
25D41	40(1)		4601825	.	GND1825	1220500
25D31	41(2)	25D40	4601825	.	GND1825	1226504
25C17	42(1)		1230300	.	B23	1236504
26D43	43(2)	24D43	7670200	.	SXB-L	1226504
27C20	44(1)		1220300	.	B22	1226504
24D45	45(2)	26D45	7671100	.	SXFP/A	1226506
23D08	46(1)		1232750	.	K23	1236500
27C44	47(2)	20D23	1222100	.	FP22	1226506
	48(0)					
24D49	49(0)	26D49	0004000		4VD	0004030
	50(0)					
24D51	51(0)	26D51	0008000		8VD	0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
23012	01(2)	29D43	1245500	B	PR24	1245500
23013	02(2)	29D40	1255500	B	PR25	1255500
27D03	03(2)	25D03	3992100	.	DXS/L	1241312
	04(1)	29D46	1242500	B	G24	1242500
	05(0)		1240500	B	C24	1240500
	06(1)	29D44	1252500	B	G25	1252500
27D07	07(2)	25D07	3990000	.	DX/L	1241330
	08(0)					
27D09	09(1)		3851400	.	CL-31D09	1241334
	10(0)					
27D11	11(2)	25D11	3990600	.	DXA-L	1241310
26C02	12(2)	26D24	1240100	.	A24	1241310
30C14	13(2)	26D18	1250100	.	A25	1251310
	14(1)	26D16	4601827	.	GND1827	1241312
	15(0)		1250500	B	C25	1250500
26D14	16(2)	26D22	4601827	-NS	GND1827	4601827
26C42	17(1)		1246500	B	S24	1246502
26D13	18(1)		1250100	.	A25	1250140
26C43	19(1)		1256500	I	S25	1256500
28B43	20(2)	27D20	6910820	.	PRXAND/7	1245502
27D21	21(2)	28B05	4610080	.	GXAD/7	1242500
26D16	22(2)	26D31	4601827	.	GND1827	1242500
	23(1)	26D30	1251300	FF	D25	1251300
26D12	24(1)		1240100	.	A24	1240140
27B25	25(2)	27D25	4620000	.	GXAND/7	1242502
28B18	26(2)	27D26	6912600	.	PRXNAND/7	1245502
28B42	27(2)	27D27	6911720	.	PRXNAD/7	1245500
	28(1)	26D39	1241300	FF	D24	1241300
28B34	29(2)	27D29	6910150	.	PRXAD/7	1245500
26D23	30(2)	27D35	1251300	.	D25	1240500
26D22	31(2)	26D41	4601827	.	GND1827	1240502
	32(0)					
01D33	33(2)	29C30	1252100	.	FP25	1256506
27D34	34(2)	25D34	3991100	.	DXDL1-L	1240500
25D30	35(1)		1231300	.	D23	1240502
	36(1)	27D39	1261300	.	D26	1250500
27D37	37(2)	25D37	3991600	.	DXDR1-L	1240502
29D26	38(1)		1242750	.	K24	1246500
26D28	39(2)	25D36	1241300	.	D24	1250502
26D41	40(1)		4601827	.	GND1827	1240500
26D31	41(2)	26D40	4601827	.	GND1827	1246504
25C18	42(1)		1250300	.	B25	1256504
27D43	43(2)	25D43	7670200	.	SXB-L	1246504
25C21	44(1)		1240300	.	B24	1246504
25D45	45(2)	27D45	7671100	.	SXFP/A	1246506
29D27	46(1)		1252750	.	K25	1256500
01D47	47(2)	28C31	1242100	.	FP24	1246506
	48(0)					
25D49	49(0)	27D49	0004000		4VD	0004030
	50(0)					
25D51	51(0)	27D51	0008000		8VD	0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
23D14	01(2)	29D39	1265500	B	PR26	1265500
23D15	02(2)	29D41	1275500	B	PR27	1275500
30D03	03(2)	26D03	3992100	.	DXS/L	1261312
	04(1)	29D50	1262500	B	G26	1262500
	05(0)		1260500	B	C26	1260500
	06(1)	29D47	1272500	B	G27	1272500
30D07	07(2)	26D07	3990000	.	DX/L	1261330
	08(0)					
30D09	09(2)	26D09	3851400	.	CL-31D09	1261334
	10(0)					
30D11	11(2)	26D11	3990600	.	DXA-L	1261310
27D24	12(2)	30C04	1260100	.	A26	1261310
30C02	13(2)	27D18	1270100	.	A27	1271310
27D16	14(1)		4601828	.	GND1828	1261312
	15(0)		1270500	B	C27	1270500
27D22	16(2)	27D14	4601828	-NS	GND1828	4601828
26C47	17(1)		1266500	I	S26	1266500
27D13	18(1)		1270100	.	A27	1270140
28C44	19(1)		1276500	I	S27	1276500
26D20	20(2)	30D20	6910820	.	PRXAND/7	1265502
30D21	21(2)	26D21	4610080	.	GXAD/7	1272500
27D31	22(2)	27D16	4601828	.	GND1828	1272500
	23(1)	27D30	1271300	FF	D27	1271300
	24(1)	27D12	1260100	.	A26	1260140
26D25	25(2)	30D25	4620000	.	GXAND/7	1262502
26D26	26(2)	30D26	6912600	.	PRXNAND/7	1265502
26D27	27(2)	30D27	6911720	.	PRXNAD/7	1265500
27D39	28(1)		1261300	FF	D26	1261300
26D29	29(2)	30D29	6910150	.	PRXAD/7	1265500
27D23	30(2)	30D35	1271300	.	D27	1260500
27D41	31(2)	27D22	4601828	.	GND1828	1260502
	32(0)					
02D33	33(2)	29C46	1272100	.	FP27	1276506
30D34	34(2)	26D34	3991100	.	DXDL1-L	1260500
26D30	35(1)		1251300	.	D25	1260502
	36(1)	30D39	1281300	.	D28	1270500
30D37	37(2)	26D37	3991600	.	DXDR1-L	1260502
29D25	38(1)		1262750	.	K26	1266500
26D36	39(2)	27D28	1261300	.	D26	1270502
	40(1)	27D41	4601828	.	GND1828	1260500
27D40	41(2)	27D31	4601828	.	GND1828	1266504
20C17	42(1)		1270300	.	B27	1276504
30D43	43(2)	26D43	7670200	.	SXB-L	1266504
25C20	44(1)		1260300	.	B26	1266504
26D45	45(2)	30D45	7671100	.	SXFP/A	1266506
19D20	46(2)	29D42	1272750	.	K27	1276500
02D47	47(2)	29C44	1262100	.	FP26	1266506
	48(0)					
26D49	49(0)	28D49	0004000		4VD	0004030
	50(0)					
26D51	51(0)	28D51	0008000		8VD	0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
	01(0)					
	02(0)					
	03(0)					
	04(0)					
	05(0)					
	06(0)					
	07(0)					
	08(0)					
	09(0)					
	10(0)					
	11(0)					
	12(0)					
	13(0)					
	14(0)					
	15(0)					
	16(0)					
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	20(0)					
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	40(0)					
	41(0)					
	42(0)					
	43(0)					
	44(0)					
	45(0)					
	46(0)					
	47(0)					
	48(0)					
27049	49(0)	29049	0004000	4VD		0004030
27051	50(0)					
27051	51(0)	29051	0008000	8VD		0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
31D04	01(1)		1302500	.	G30	4500451
30D04	02(1)		1282500	.	G28	4500450
	03(0)					
30D06	04(1)		1292500	.	G29	4500451
29D12	05(2)	30D01	1285500	.	PR28	4500451
31D06	06(1)		1312500	.	G31	4500452
29D15	07(2)	31D02	1315500	.	PR31	1282751
31D46	08(2)	19D03	1312750	.	K31	1282751
29D14	09(2)	31D01	1305500	.	PR30	4500452
	10(1)	29D13	1295500	.	PR29	4500451
	11(1)	29D16	4601829	.	GND1829	4500452
	12(1)	29D05	1285500	.	PR28	6900216
29D10	13(2)	30D02	1295500	.	PR29	6900216
	14(1)	29D09	1305500	.	PR30	6900216
	15(1)	29D07	1315500	.	PR31	6900216
29D11	16(2)	29D35	4601829	-NS	GND1829	4601829
	17(1)	19D06	4500450	B	G2831	4500450
	18(1)	30D46	1292750	B	K29	1292750
	19(1)	30D38	1282750	B	K28	1282750
	20(1)	31D38	1302750	B	K30	1302750
	21(1)	19D07	6900280	B	PR2831	6900280
23D22	22(1)		6900210	B	PR1631	6900216
	23(1)	19D09	6900260	B	PR2427	6900260
	24(1)	13B50	7504000	B	NS4607XFP	7504000
	25(1)	27D38	1262750	B	K26	1262750
	26(1)	26D38	1242750	B	K24	1242750
	27(1)	26D46	1252750	B	K25	1252750
	28(1)	19D01	4500400	B	G2427	4500400
32B47	29(1)		4375000	.	FDPIS	7504100
21C07	30(1)		6850202	.	NPH2	7504000
03C08	31(1)		6850102	.	NPH1	7504000
	32(0)					
	33(0)					
	34(0)					
29D16	35(2)	29D38	4601829	.	GND1829	7504100
	36(0)					
	37(0)					
29D35	38(1)		4601829	.	GND1829	4500402
27D01	39(2)	32C33	1265500	.	PR26	4500402
26D02	40(2)	32C38	1255500	.	PR25	4500401
27D02	41(2)	32C39	1275500	.	PR27	1242751
27D46	42(2)	32C35	1272750	.	K27	1242751
26D01	43(2)	32C37	1245500	.	PR24	4500401
26D06	44(1)		1252500	.	G25	4500401
	45(0)					
26D04	46(1)		1242500	.	G24	4500400
27D06	47(1)		1272500	.	G27	4500402
	48(0)					
28D49	49(0)	30D49	0004000	.	4VD	0004030
27D04	50(1)		1262500	.	G26	4500401
28D51	51(0)	30D51	0008000	.	8VD	0008030

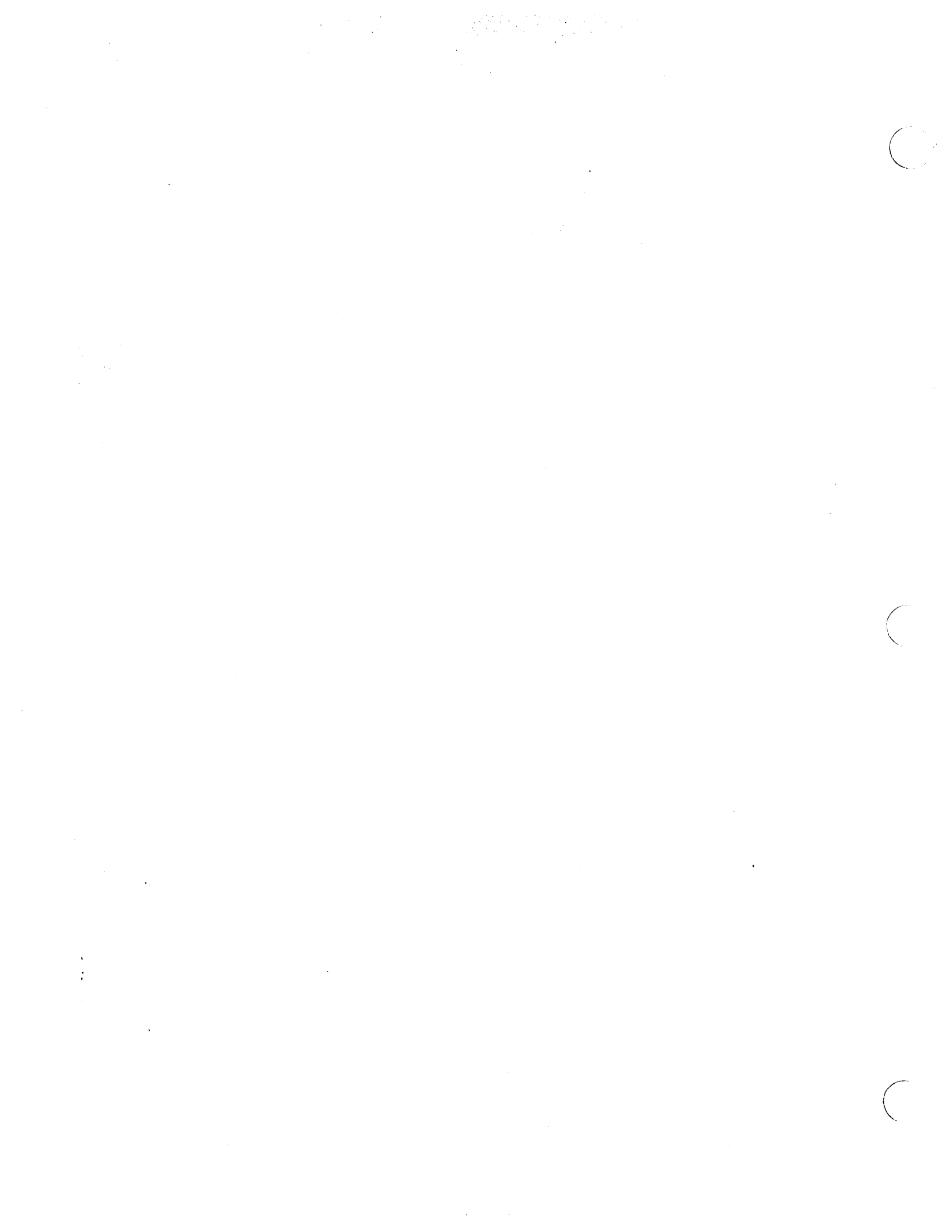
FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
29D05	01(2)	32C27	1285500	B	PR28	1285500
29D13	02(2)	32C28	1295500	B	PR29	1295500
31D03	03(2)	27D03	3992100	.	DXS/L	1281312
	04(1)	29D02	1282500	B	G28	1282500
	05(0)		1280500	B	C28	1280500
	06(1)	29D04	1292500	B	G29	1292500
31D07	07(2)	27D07	3990000	.	DX/L	1281330
	08(0)					
31D09	09(2)	27D09	3851400	.	CL-31D09	1281334
	10(0)					
31D11	11(2)	27D11	3990600	.	DXA-L	1281310
30C30	12(2)	30D24	1280100	.	A28	1281310
30C31	13(2)	30D18	1290100	.	A29	1291310
	14(1)	30D16	4601830	.	GND1830	1281312
	15(0)		1290500	B	C29	1290500
30D14	16(2)	30D22	4601830	-NS	GND1830	4601830
28C35	17(1)		1286500	I	S28	1286500
30D13	18(1)		1290100	.	A29	1290140
30C13	19(1)		1296500	I	S29	1296500
27D20	20(2)	31D20	6910820	.	PRXAND/7	1285502
31D21	21(2)	27D21	4610080	.	GXAD/7	1282500
30D16	22(2)	30D31	4601830	.	GND1830	1282500
	23(1)	30D30	1291300	FF	D29	1291300
30D12	24(1)		1280100	.	A28	1280140
27D25	25(2)	31D25	4620000	.	GXAND/7	1282502
27D26	26(2)	31D26	6912600	.	PRXNAND/7	1285502
27D27	27(2)	31D27	6911720	.	PRXNAD/7	1285500
30D39	28(1)		1281300	FF	D28	1281300
27D29	29(2)	31D29	6910150	.	PRXAD/7	1285500
30D23	30(2)	31D35	1291300	.	D29	1280500
30D22	31(2)	30D41	4601830	.	GND1830	1280502
	32(0)					
06D33	33(2)	28C24	1292100	.	FP29	1296506
31D34	34(2)	27D34	3991100	.	DXDL1-L	1280500
27D30	35(1)		1271300	.	D27	1280502
31D39	36(1)		1301300	.	D30	1290500
31D37	37(2)	27D37	3991600	.	DXDR1-L	1280502
29D19	38(1)		1282750	.	K28	1286500
27D36	39(2)	30D28	1281300	.	D28	1290502
30D41	40(1)		4601830	.	GND1830	1280500
30D31	41(2)	30D40	4601830	.	GND1830	1286504
30C47	42(1)		1290300	.	B29	1296504
31D43	43(2)	27D43	7670200	.	SXB-L	1286504
30C35	44(1)		1280300	.	B28	1286504
27D45	45(2)	31D45	7671100	.	SXFP/A	1286506
29D18	46(1)		1292750	.	K29	1296500
06D47	47(2)	28C26	1282100	.	FP28	1286506
	48(0)					
29D49	49(0)	31D49	0004000		4VD	0004030
	50(0)					
29D51	51(0)	31D51	0008000		8VD	0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(0)					
29D09	01(2)	32C29	1305500	B	PR30	1305500
29D07	02(2)	32C30	1315500	B	PR31	1315500
23B41	03(2)	30D03	3992100	.	DXS/L	1301312
	04(1)	29D01	1302500	B	G30	1302500
	05(0)		1300500	B	C30	1300500
	06(1)	29D06	1312500	B	G31	1312500
23B45	07(2)	30D07	3990000	.	DX/L	1301330
	08(0)					
31C01	09(2)	30D09	3851400	-NS	CL-31D09	3851400
	10(0)					
30B15	11(2)	30D11	3990600	.	DXA-L	1301310
30C27	12(2)	31D24	1300100	.	A30	1301310
30C33	13(2)	31D18	1310100	.	A31	1311310
	14(1)	31D16	4601831	.	GND1831	1301312
	15(0)		1310500	B	C31	1310500
31D14	16(2)	31D22	4601831	-NS	GND1831	4601831
30C24	17(1)		1306500	I	S30	1306500
31D13	18(1)		1310100	.	A31	1310140
30C25	19(1)		1316500	I	S31	1316500
30D20	20(2)	32C41	6910820	.	PRXAND/7	1305502
32C43	21(2)	30D21	4610080	.	GXAD/7	1302500
31D16	22(2)	31D31	4601831	.	GND1831	1302500
	23(1)	31D30	1311300	FF	D31	1311300
31D12	24(1)		1300100	.	A30	1300140
30D25	25(2)	32C45	4620000	.	GXAND/7	1302502
30D26	26(2)	32C44	6912600	.	PRXNAND/7	1305502
30D27	27(2)	32C46	6911720	.	PRXNAD/7	1305500
	28(1)	31D39	1301300	FF	D30	1301300
30D29	29(2)	32C47	6910150	.	PRXAD/7	1305500
31D23	30(1)		1311300	.	D31	1300500
31D22	31(2)	31D36	4601831	.	GND1831	1300502
	32(0)					
07D33	33(2)	28C27	1312100	.	FP31	1316506
23B18	34(2)	30D34	3991100	.	DXDL1-L	1300500
30D30	35(1)		1291300	.	D29	1300502
31D31	36(2)	31D40	4601831	.	GND1831	1310500
20B45	37(2)	30D37	3991600	.	DXDR1-L	1300502
29D20	38(1)		1302750	.	K30	1306500
31D28	39(2)	30D36	1301300	.	D30	1310502
31D36	40(2)	31D41	4601831	.	GND1831	1300500
31D40	41(1)		4601831	.	GND1831	1306504
30C42	42(1)		1310300	.	B31	1316504
23B27	43(2)	30D43	7670200	.	SXB-L	1306504
30C43	44(1)		1300300	.	B30	1306504
30D45	45(2)	32C50	7671100	.	SXFP/A	1306506
27B27	46(2)	29D08	1312750	.	K31	1316502
07D47	47(2)	28C29	1302100	.	FP30	1306506
	48(0)					
30D49	49(0)	32D49	0004000	4VD		0004030
	50(0)					
30D51	51(0)	32D51	0008000	8VD		0008030

FROM	PIN (COUNT)	TO	SOURCE LINE NO.	ELEM. TYPE	SOURCE SIGNAL NAME	REFERENCE LINE NO.
	00(1)	32D02	4601832	-GND	GND1832	4601832
32D00	01(0)					
	02(2)	32D05	4601832	.	GND1832	4601833
	03(0)					
	04(0)					
32D02	05(2)	32D09	4601832	.	GND1832	4601832
	06(0)					
	07(0)					
	08(0)					
32D05	09(2)	32D11	4601832	.	GND1832	4601832
	10(0)					
32D09	11(2)	32D13	4601832	.	GND1832	4601832
	12(0)					
32D11	13(2)	32D15	4601832	.	GND1832	4601832
	14(0)					
32D13	15(2)	32D16	4601832	.	GND1832	4601832
32D15	16(2)	32D20	4601832	.	GND1832	4601832
	17(0)					
	18(0)					
	19(0)					
32D16	20(2)	32D23	4601832	.	GND1832	4601832
	21(0)					
	22(0)					
32D20	23(2)	32D25	4601832	.	GND1832	4601832
	24(0)					
32D23	25(2)	32D27	4601832	.	GND1832	4601832
	26(0)					
32D25	27(2)	32D29	4601832	.	GND1832	4601832
	28(0)					
32D27	29(2)	32D31	4601832	.	GND1832	4601833
	30(0)					
32D29	31(2)	32D32	4601832	.	GND1832	4601833
32D31	32(2)	32D35	4601832	.	GND1832	4601833
	33(0)					
	34(0)					
32D32	35(2)	32D37	4601832	.	GND1832	4601833
	36(0)					
32D35	37(2)	32D39	4601832	.	GND1832	4601833
	38(0)					
32D37	39(2)	32D41	4601832	.	GND1832	4601833
	40(0)					
32D39	41(2)	32D44	4601832	.	GND1832	4601833
	42(0)					
	43(0)					
32D41	44(2)	32D46	4601832	.	GND1832	4601833
	45(0)					
32D44	46(2)	32D48	4601832	.	GND1832	4601833
	47(0)					
32D46	48(1)		4601832	.	GND1832	4601833
31D49	49(0)		0004000		4VD	0004030
	50(0)					
31D51	51(0)		0008000		8VD	0008030

902309

SECTION II
ENGINEERING TECHNICAL INFORMATION



CHASSIS	MODULE LOCATION																																
	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
A	XT10	IT17	BT16		IT25	BT11	ZT45	IT25		IT25	ZT45	IT16	XT10	BT10	BT10	LT20	LT20	BT18	BT11	IT16	ZT45	IT26	GT11	FT22	XT10		ST14						
B		FT22	IT16	IT16	BT16	BT16	ZT45			IT16	ZT45		IT16	XT10	FT26	FT26	FT26	FT26	XT10	IT16	ZT45	LT42	LT42	LT42	LT18	LT42	LT42	LT42	LT42	LT18	LT42	LT42	
C	XT10	FT41	FT22	FT41	GT12	FT41	FT22	FT41		GT12	BT10	FT22	FT41	GT12	FT41	FT41	FT22	IT16	GT12	GT11	FT18	FT22	FT18	GT12	FT18	FT18	FT22	XT10	GT12	FT22	GT12	FT22	

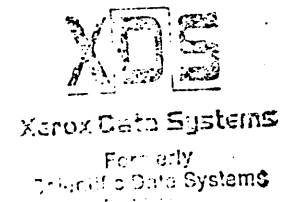
NOTES: UNLESS OTHERWISE SPECIFIED

- 1 Interchassis Cable: Chassis A12 to B12
- 2 Interchassis Cable: Chassis A22 to B22
- 3 Interchassis Cable: Chassis A26 to B26
- 4 For terminations of interframe cable see drawing 133279 Chart, Module Location, CPU Sigma 5.
- 5 ~~Changes to this drawing must be coordinated with Drawing 180637 (Label Module I.D.)~~

E SEE DCR 39950 DELETED NOTE 5		DATE	1-5-67
D SEE REV. E.O.		AML	1-11-67
X	A MFG RELEASE	DATE	8-4-67
LAL	DESCRIPTION	CHK	DATE
REVISIONS			
123			
WALDEN 7-67		Scientific Data Systems AXERON COMPANY	
WALLACE 8-67		FOLBURN, CALIFORNIA	
ANDERSON 8-67			
CHART, MODULE LOCATION			
MODEL NO	8218	CODE IDENT	18338
FIRST USE		SIZE	B
DATE		DWG NO	145613
REV. NO	134099	SCALE	E
DO NOT SCALE DRAWING			
PAGE 1 OF 2			

		MODULE LOCATION																																
CHASSIS		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
D		ZT23	LT42	LT42	LT18		LT42	LT42	LT42	LT42	LT18	LT42	LT42	XT10	LT18	LT42	LT42	LT18	LT42	LT42	LT42	XT10	LT42	LT18	LT42	LT42	LT42	LT42	LT18	XT10	LT18	LT42	LT42	

NOTES:



LAL		REV.		SEE SHEET 1												CHK	DATE	APP
				REVISIONS														123
NOTES UNLESS SPECIFIED		DRAWN																
		CHECK																
		APPR																
		MATERIAL																
		FINISH																
MODEL NO. FIRST LIST		8218														CODE & EXT.	SIZE	DWG. NO.
NEXT ASSY FIRST USE		134099														18338	B	145613
																SCALE	DO NOT SCALE DRAWING	SHEET
																		2

902309

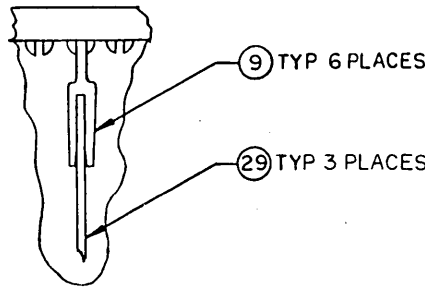
SECTION III
ADDITIONAL ENGINEERING DOCUMENTS



3

2

1



DETAIL 13
SCALE: NONE

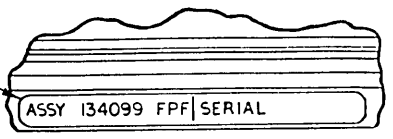
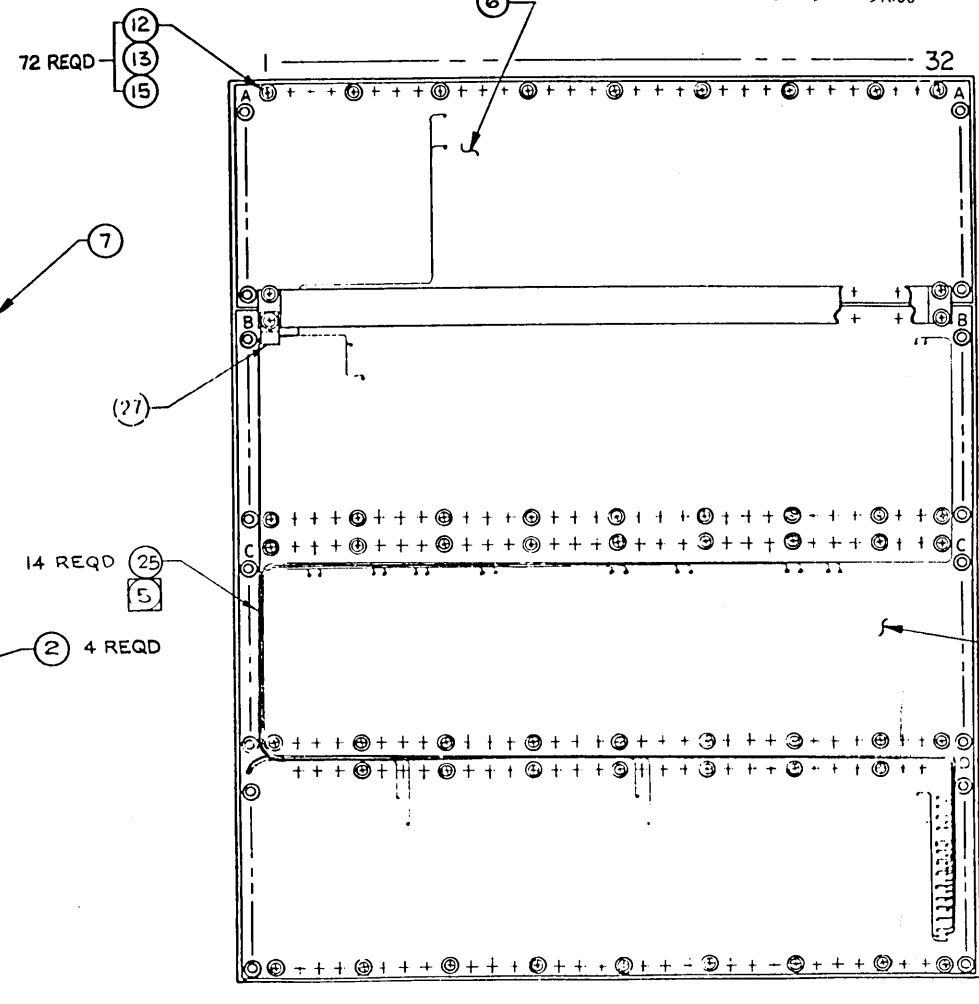
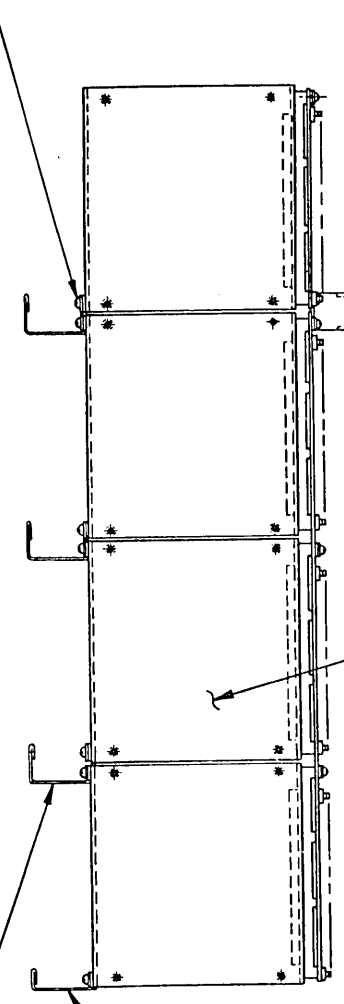
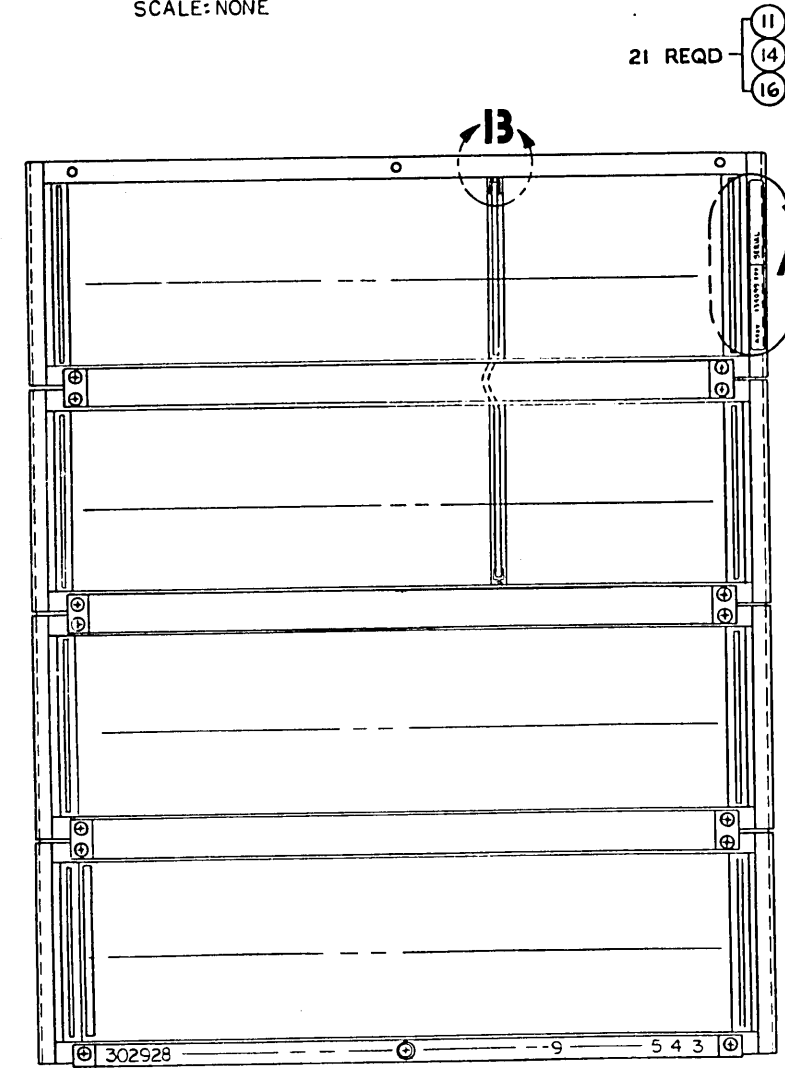
- 4 ITEMS 30 THRU 35 TO BE SUPPLIED AS LOOSE ITEMS.
- 5 SPOT TIE PER MFG REQUIREMENTS

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 FOR IDENTIFICATION AND SERIALIZATION, MARK CHARACTERS .12 HIGH COLOR BLACK, PER XDS SPEC 101624. APPROX. AS SHOWN.
- 2 FOR MATERIAL LIST SEE SHEETS 2 & 3.
- 3 CONNECT THE SINGLE CONDUCTOR COAX'S (ITEM 25) AS SHOWN BELOW:

FROM		TO	
SIGNAL	SHIELD	SIGNAL	SHIELD
32004	32002	09A01	09A00
32006	32005	05B09	05B00
32008	32009	31B01	31B00
32012	32013	03C01	03C00
32017	32016	06C01	06C00
32019	32020	08C01	08C00
32021	32023	11C01	11C00
32024	32025	17C01	17C00
32028	32027	20C01	20C00
32033	32032	25C01	25C00
32036	32037	27C01	27C00
32040	32041	07D09	07D00
32043	32044	18D09	18D00
32047	32046	31D09	31D00

REVISIONS					134099	N
LAL	REV.	DESCRIPTION	CHK	DATE	APPROVED	
X	B	MFG RELEASE REVISED & REDRAWN.		1/25/67		
	L	SEE REV E.O.; REVISED NOTE 4; M/L: ADDED ITEMS 36 & 37; ITEM 18 WAS: 1.5		1/26/67		
X	M	SEE REV E.O.; FIELD MOD KIT 180451. M/L: 17; MS 21 & 22. REV LTR WAS "A".		6/1/67		
X	N	SEE REV E.O.; REV'D NOTE 4. M/L: DELETED ITEMS 36 & 37 & ITEM 18. WAS QTY 1. INCL'D MCA # 25: REV'D NOTE 5. DELETED ITEM 28 & ITEM 29 WAS QTY 11		5/1/67		



DETAIL A
SCALE: NONE
ROTATED 90° CW

NOTES UNLESS SPECIFIED		MATERIAL LIST		SDS SCIENTIFIC DATA SYSTEMS SANTA MONICA, CALIFORNIA	
1. TOLERANCES XX 2.010 ANGLAR XXX 2.010 1/2"	DRAWN <i>E. Stanger</i> 11/11/67	CHECK <i>B. Behler</i> 11/20/67	TITLE	SIZE	DWG NO
2. SHARP ALL SHARP EDGES R15 APPROX.	APPR. <i>C. A. 12/1/67</i> 12/1/67	MATERIAL	ASSEMBLY FLOATING POINT FEATURE	D	134099
3. HATCH SURFACES	FINISH				CHANGE LETTER N
4. ALL DIM. IN INCHES	MODEL NO. FIRST USE 8218				
	NEXT ASBY. FIRST USE 136203				
				SCALE 1:2	DO NOT SCALE DRAWING SHEET 1 OF 2

3

2

1



Z

SDS

Xerox Data Systems

MATERIAL LIST

101

ML

DRAWING NO.

134099

REV.

N

DRAWING TITLE Assy., Floating Point FeatureMODEL NO. 8218DATE 8-12-68 SHEET 2 OF 3

134099

ML

ITEM NO.	DRAWING TITLE	DWG. NO.	NO. REQ.	REMARKS
1				
2	Chassis, 32 Module	116231	4	
3	Channel, Cable Routing	116522	3	
4	Channel, Cable Routing	123940-001	1	
5	Assy, Wired Board (BCD)	136255	1	
6	Assy, Wired Board (A)	136256	1	
7	Bracket, Pin Protect	132165-001	1	
8				
9	Card Assy Retainer	149850	6	
10	Strip, Marker	135171	1	
11	Screw, Pan Hd	100012-204	21	
12	Screw, Thread Forming	148832-512	72	
13	Washer, Lock, Int Tooth	100024-300	72	
14	Washer, Lock, Int Tooth	100024-200	21	
15	Washer, Flat	100018-300	72	
16	Washer, Flat	100018-200	21	
17	Assy, Modules	139210	1	
18	Chart, Module Location	145613	REF	
19	Product Design Spec	133260	Ref	
20	Test Specification	133261	Ref	
21	List, Equations	134106B	Ref	
22	List, Pin	134107B	Ref	
23	List, Master Drawing	134098	Ref	
24	Installation Drawing	136253	Ref	
25	Cable, Single Cond Coax	128147-372	14	3
26				
27	Clamp, Cable	100657-003	1	
28	Clamp, Cable	100657-005	22	
29	Cable, Ribbon	137481-171	3	ZT45
30	Bracket, Cable Mtg	134199	1	4
31	Screw, Pan Hd	100012-508	2	4
32	Washer, Lock, Int Tooth	100024-500	2	4

REV. NO.		REVISIONS	
REV.	DESCRIPTION	CHK	DATE
A	MANUFACTURING RELEASE.	BW	5/17/67
B	SEE REV. E.O. M/L ITEM 11 NO. REQ'D WAS: 9 ADDED ITEM 22. J.F.	OB	5/19/68

REV.	DATE	APPROVED
	13	B

101

NO. REQ.	DRAWING NO.	DESCRIPTION	REFERENCE DESIGNATION	ITEM NO.
MATERIAL LIST				
NOTES UNLESS SPECIFIED 1. TOLERANCES .XX ±.030 .XXX ±.010 2. BREAK ALL SHARP EDGES .010 APPROX. 3. MACH. SURFACES 4. ALL DIM. IN INCHES	DRAWN	L Naylor	5/16/67	TITLE ASSY, MODULES, FLOATING POINT FEATURE
	CHECK	<i>Bullard</i>	5/17/67	
	APPR.	<i>W. T. ...</i>	5-22-7	
MODEL NO.	8218		SDS	
NEXT ASSY.	134099		SANTA MONICA, CALIFORNIA	
		SIZE	DWG. NO.	CHANGE LETTER
		A	139210	B
		SCALE	DO NOT SCALE DRAWING	SHEET
				1 of 2

3

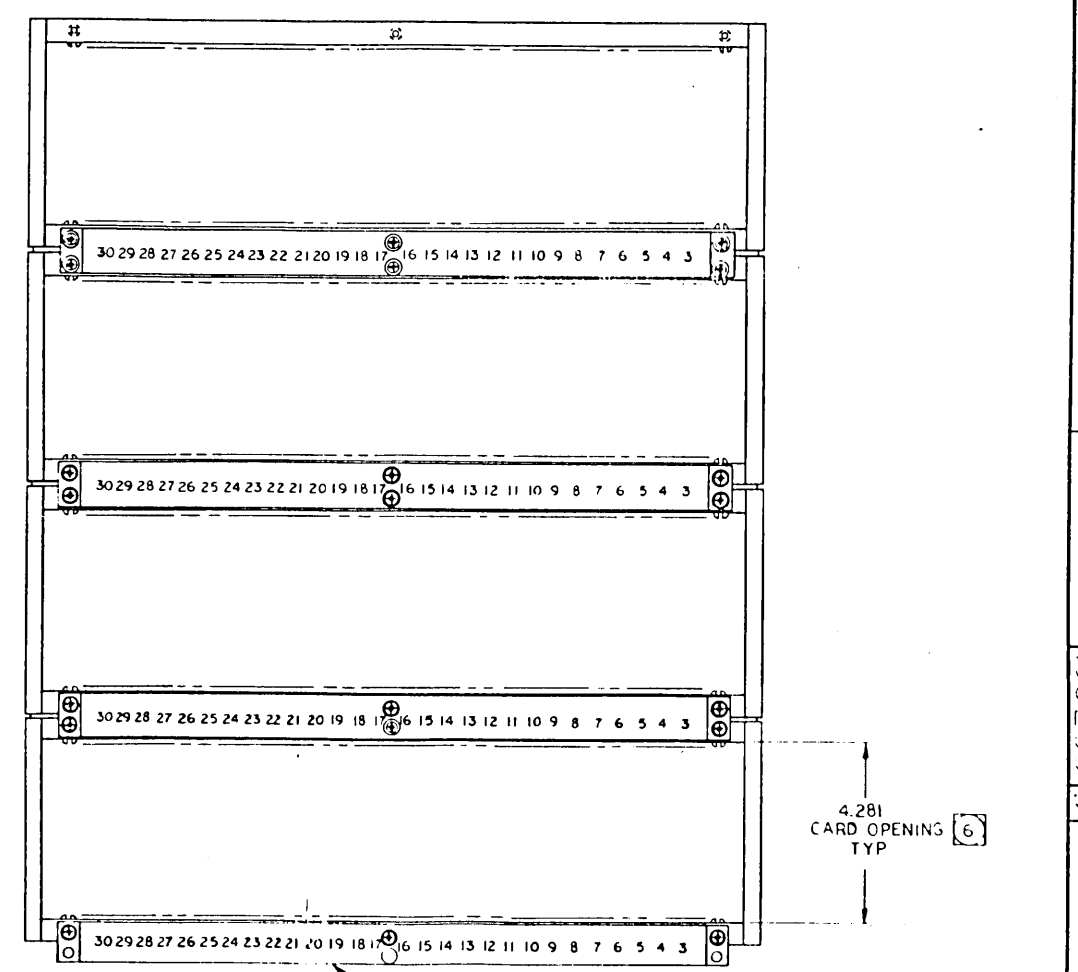
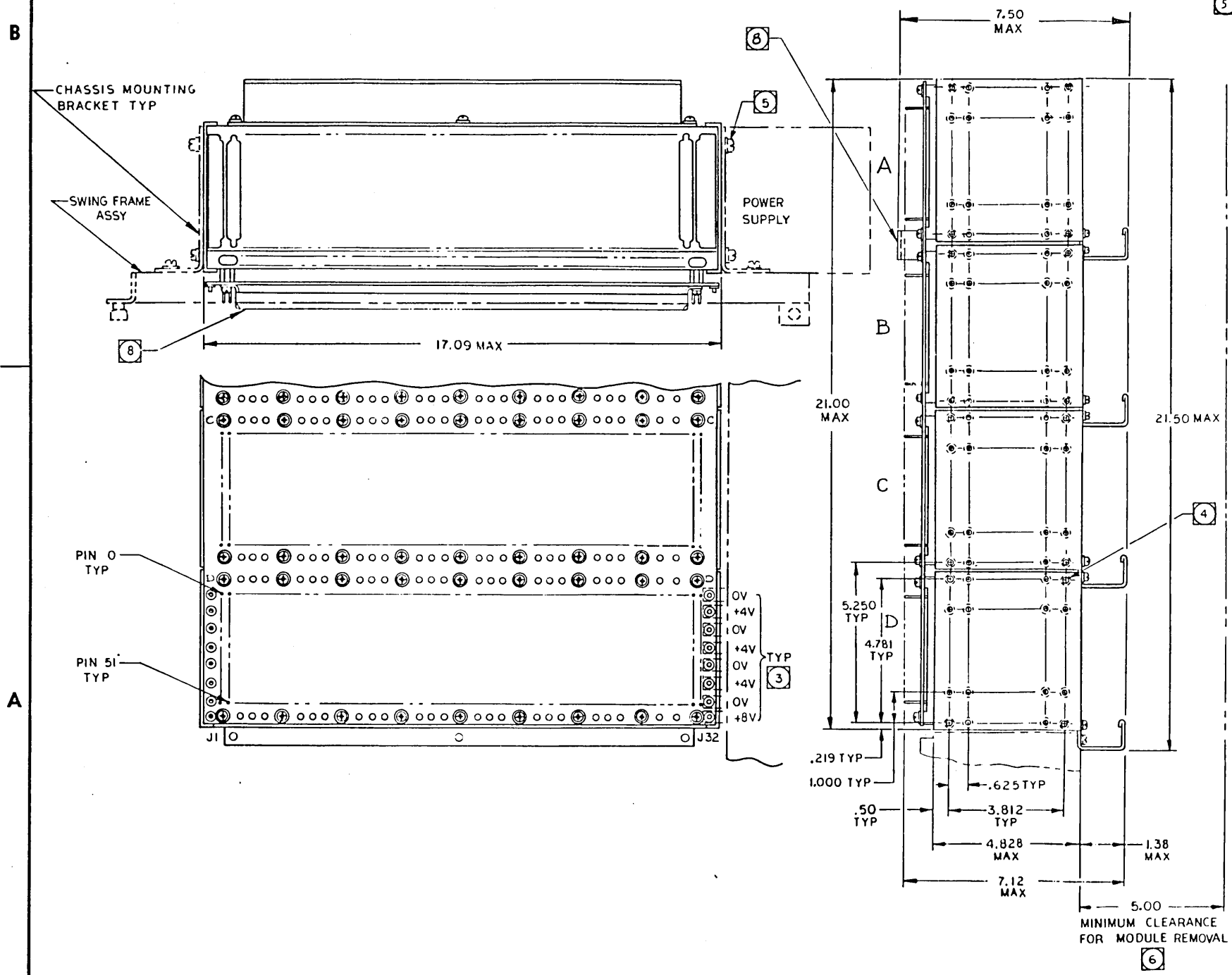
2

1

REVISIONS				
REV.	DESCRIPTION	CHK	DATE	APPROVED
A	MFG RELEASE			
B	NO E.D., NOTE 7: MOD. LOC. 11/27 KAS: 133279		27 1/67	7 Bentley

- 6 SDS "T" SERIES CARD SIZE, .062 X 4.250 X 4.750. EACH CARD CHASSIS WILL HOLD 32 STANDARD CARDS ON .500 CENTERS.
- 7. REFERENCE DRAWINGS:
 MODULE LOCATION CHART - 145613
 ASSY, FLOATING POINT FEATURE - 134099
 ASSY, MODULES - 139210
 SIGMA 5 SYSTEM INSTALLATION - 137114
 EQUATIONS, LOGIC - 134106
 PIN LIST - 134107
- 8 PIN PROTECTOR USED FOR MECHANICAL LINKAGE BETWEEN (1) HIGH BACKWIRING BOARD (A) AND (3) HIGH BACKWIRING BOARD (B,C,D).

- NOTES, UNLESS OTHERWISE SPECIFIED
- 1. MODULE CHASSIS IS OF WELDED STEEL CONSTRUCTION FINISHED WITH CADMIUM PLATE.
 - 2. CABLE CHANNEL - PAINTED LIGHT GRAY WITH MODULE LOCATION NUMBERS SILKSCREENED IN BLACK. CHANNEL WILL ACCOMMODATE A MAX OF 8 CABLES OF .38 DIA.
 - 3. POWER INPUTS: 6-32 THREADED STUDS SOLDERED TO BOTH ENDS OF BACKWIRING BOARD. HEX NUTS & WASHERS ARE REQUIRED FOR CONNECTION TO BUSS BARS.
 - 4. 8-32 NC-28 THREADED HOLES, 16 PLACES ON BOTH ENDS OF EACH CHASSIS. THE TOP 2 CORNER HOLES ON BOTH ENDS OF EACH CHASSIS ARE FOR MOUNTING TO CHASSIS MOUNTING BRACKETS.
 - 5. MOUNTING HARDWARE: 8-32 NC-28 X 3/8 LONG SCREWS, FLAT WASHERS & LOCKWASHERS, 16 EACH REQUIRED.



NO. REQ	DRAWING NO.	DESCRIPTION	REFERENCE DESIGNATION	ITEM NO.
MATERIAL LIST				
1. TOLERANCES .25 ±.004 ANGULAR .005 ±.010 1/2" 2. BREAK ALL SHARP EDGES .016 APPROX. 3. HATCH SURFACES 4. ALL DIM. IN INCHES				
MODEL NO. FIRST USE 8218 NEXT AMBY. FIRST USE 134011		FINISH CHECK APPR. MATERIAL		CHANGE LETTER B
TITLE INSTALLATION DRAWING, FLOATING POINT FEATURE		SIZE D DWG. NO. 136257		SCALE 1/2 SHEET 1 OF 1

3

2

1

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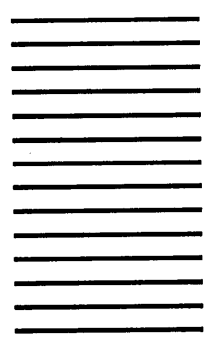
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